



COOPER US, INC.

*PRELIMINARY SITE ASSESSMENT AND
SUPPLEMENTAL SITE ASSESSMENT REPORT
NORTH AND SOUTH LANDFILLS
CROUSE-HINDS FACILITY
SYRACUSE, NEW YORK*

25 MAY 2006

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List of Attachments

- Attachment 1: Data Usability Summary Report
- Attachment 2: Analytical Data Summary Packages
- Attachment 3: Test Pit Logs, Soil Boring Logs and Groundwater Sampling Logs
- Attachment 4: Fish and Wildlife Impact Assessment
- Attachment 5 Wetland Delineation Report
- Attachment 6 Miscellaneous Correspondence
- Attachment 7: Ley Creek Sediment Sampling Data

1.0 INTRODUCTION

1.1 GENERAL

This report summarizes the activities performed and the results for the Preliminary Site Assessment (PSA) and Supplemental Site Assessment (SSA) of the Crouse-Hinds Facility North and South Landfills (hereinafter the "Site"), which are located in the Town of Salina and the City of Syracuse, New York, respectively. The PSA was conducted by InteGreyted International, LLC (InteGreyted), now known as Delta Environmental Consultants, Inc. (Delta), on behalf of Cooper Industries, Inc. (Cooper) in 2004. The SSA was conducted in 2005 and 2006. The PSA and SSA were conducted at the Site (Site No. 7-34-004) in accordance with the New York State Department of Environmental Conservation (NYSDEC) Order on Consent (Index No. D-7-0002-01-07), which became effective on 14 May 2004, and the NYSDEC-approved PSA and SSA Work Plans.

The objectives of the PSA were to: 1) collect data necessary to determine the presence or absence of hazardous wastes and/or hazardous substances in Site media; 2) collect data to aid in determining if the Site may or may not be a source of hazardous wastes and/or hazardous substance contamination to Ley Creek and/or Onondaga Lake; 3) collect sufficient data to determine whether or not a Remedial Investigation/Feasibility Study is warranted for the Site; and 4) collect the data necessary to perform Steps 1 through 2b of the Fish and Wildlife Impact Analysis (FWIA).

The objectives of the SSA were to: 1) address data gaps identified in the PSA Report dated 29 September 2004; 2) address comments provided by NYSDEC to Cooper in a letter dated 13 June 2005 as they relate to the 2004 PSA Report; 3) implement recommendations presented in the PSA Report; and 4) to determine if Interim Remedial Measures (IRMs) are necessary at the Site to address potential impacts to Ley Creek or Onondaga Lake.

1.2 REPORT ORGANIZATION

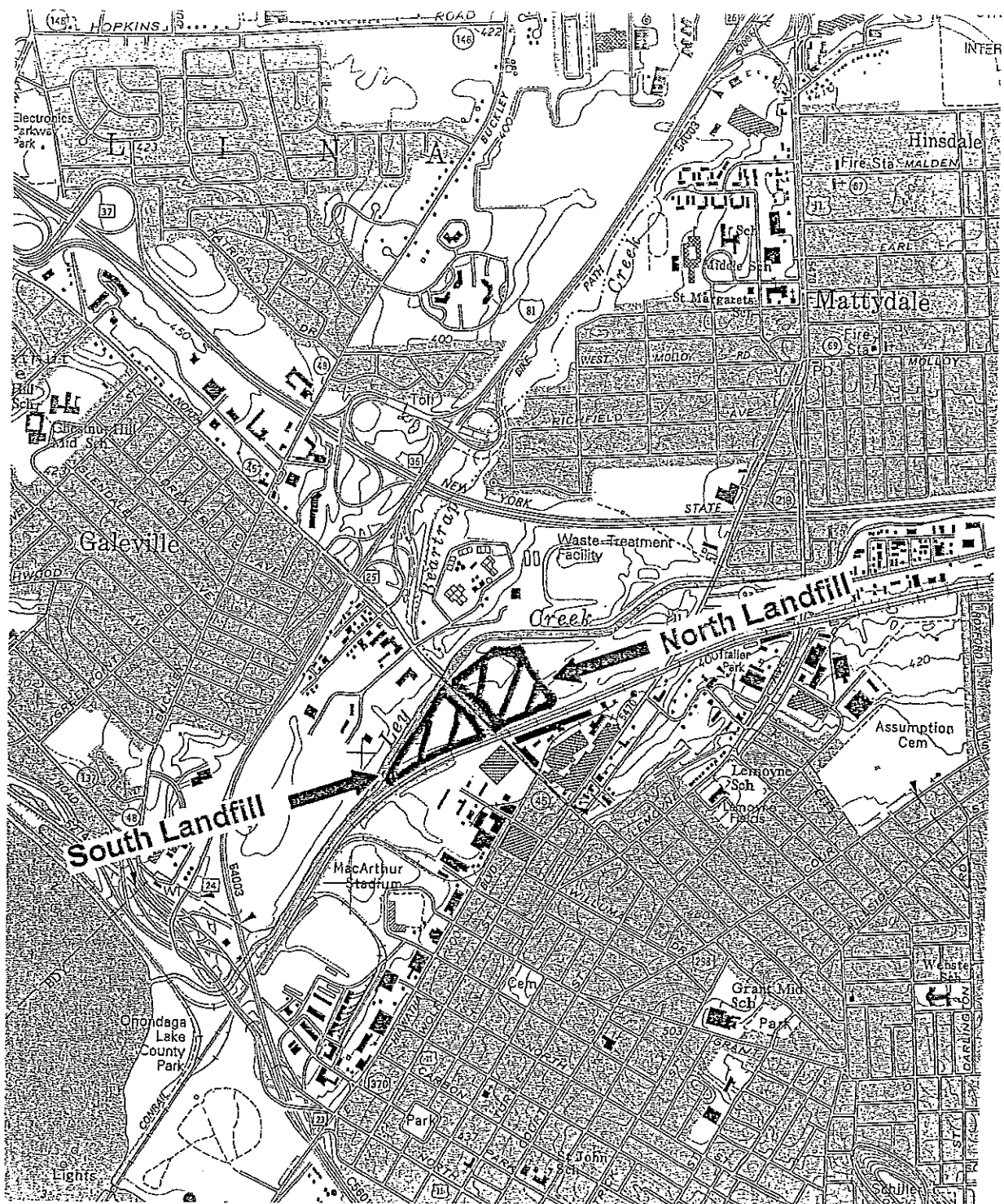
This document presents the amended PSA Report, which addresses NYSDEC's June 2005 comments and includes analytical data and findings of the SSA. This report is organized in the following sections.

- Section 1 – Introduction: Presents a summary of the Site location and physical setting, the Site background and history, results of previous investigations, and objectives of the PSA and SSA.
- Section 2 – PSA and SSA Scope of Work: Describes the activities performed during the PSA and SSA, including the soils investigation, sediment investigation, surface water investigation, hydrogeologic investigation, fish and wildlife assessment, and wetland delineation.
- Section 3 – PSA and SSA Results: Summarizes the results of the PSA and SSA investigation activities.
- Section 4 – Summary and Conclusions: Summarizes the results of the PSA and SSA and presents conclusions supported by the data and recommendations for additional work, if any, which may be required to fill data gaps.

1.3 SITE BACKGROUND

1.3.1 Physical Setting

The Site is located west of the operating Crouse-Hinds manufacturing facility, which is located at the intersection of Wolf and Seventh North Streets (Latitude 043° 04' 28" N, Longitude 076° 10' 13" W), in the Town of Salina and the City of Syracuse, Onondaga County, New York. The Site consists of two adjacent inactive landfills (referred to as the North Landfill and South Landfill). The North Landfill is approximately 21 acres in area and the South Landfill is approximately 15 acres in area. The Site and surrounding topography are generally flat to gently sloping. Figure 1-1 is a Site Location Map and Figures 1-2 and 1-3 present Site Plans of the North Landfill and South Landfill, respectively.



Syracuse West, NY, Quadrangle (1990)



104 JAMESVILLE ROAD
SYRACUSE, NY 13214
PHONE: (315) 445-0224
FAX: (315) 445-0793

DRAWN BY

MJS

CAD FILE

fig1-1

DATE

5/06

SCALE

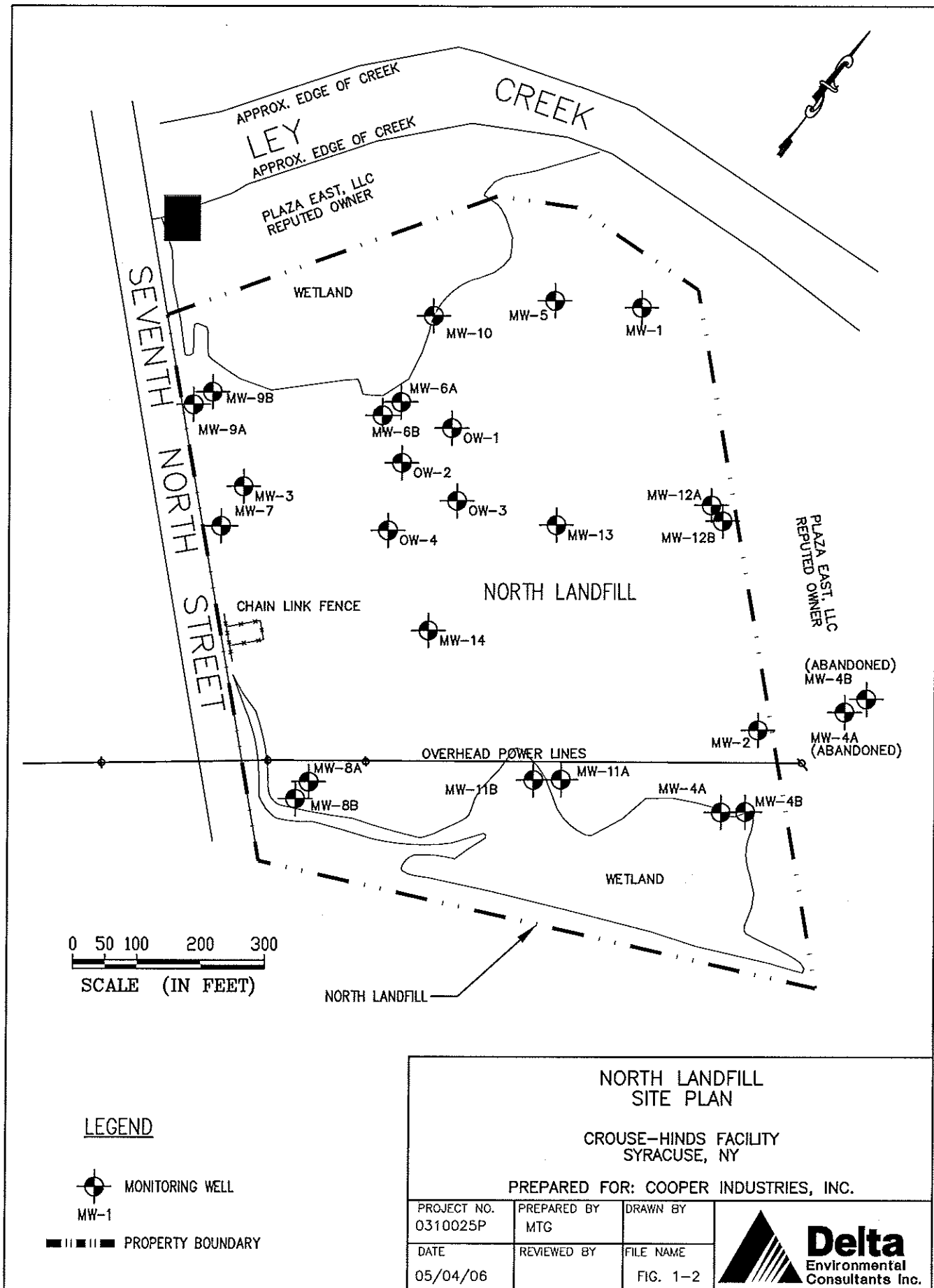
1"=2,000'

Site Location Map

North and South Landfills
Crouse-Hinds Facility
Syracuse, New York

FIGURE

1-1



LEGEND



MONITORING WELL

MW-1

PROPERTY BOUNDARY

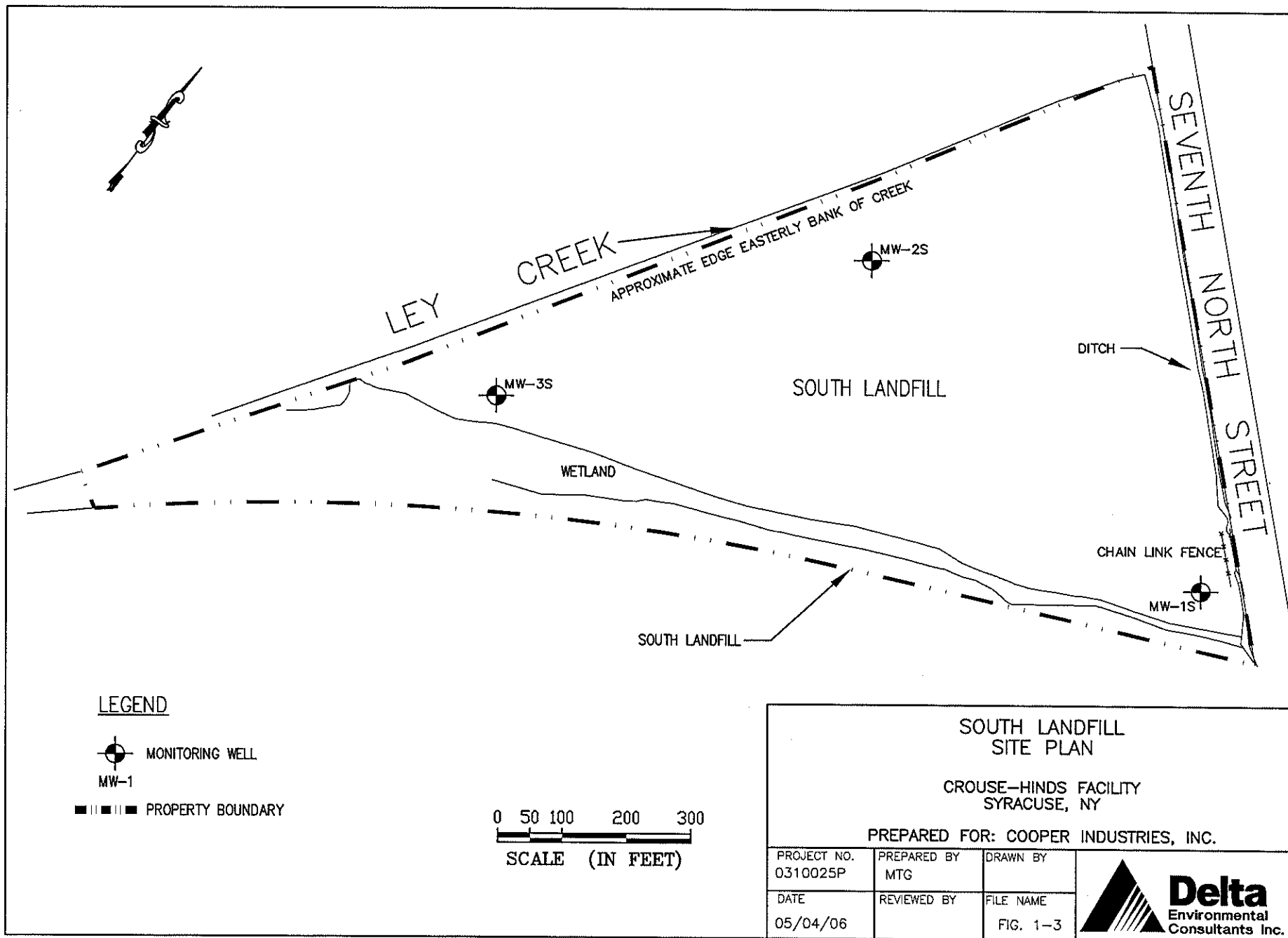
NORTH LANDFILL SITE PLAN

CROUSE-HINDS FACILITY
SYRACUSE, NY

PREPARED FOR: COOPER INDUSTRIES, INC.

PROJECT NO. 0310025P	PREPARED BY MTG	DRAWN BY
DATE 05/04/06	REVIEWED BY	FILE NAME FIG. 1-2





The North Landfill is located in the Town of Salina and the South Landfill is located in the City of Syracuse. The Site is located in an area of mixed usage including light industrial/manufacturing, commercial and residential. Seventh North Street is oriented east-west and separates the two landfills that comprise the Site. Undeveloped woods and wetlands border the Site to the north. Railroad tracks followed by the Crouse-Hinds facility, Wolf Street and residential development border the Site to the east. Undeveloped woods, wetlands and mixed commercial development border the Site to the south. Wetlands followed by Ley Creek, mixed commercial development, the Ley Creek waste transfer station and Interstate Highway I-81 are present to the west of the Site. The west and northwest boundary of the North Landfill is separated from Ley Creek by property reportedly owned by East Plaza, LLC. The west boundary of the South Landfill is immediately adjacent to Ley Creek.

1.3.2 Site History

Cooper Crouse-Hinds Division, a division of Cooper Industries, Inc. operates an electrical products manufacturing facility located on the corner of Wolf and Seventh North Streets, Salina, New York. The Cooper property includes two inactive landfills, the North and South Landfills, which comprise the Site. The North Landfill reportedly accepted an unknown quantity of solid industrial waste (i.e., foundry sand) from the Crouse-Hinds facility from the mid-1950s through 1972. From 1972 through approximately 1979, this landfill was used for disposing approximately 85 cubic yards per day of non-putrescible solid wastes including foundry sand, floor sweepings, metal buffing and polishing residue, scrap lumber, plastic wastes and paint scrapings that were generated at the Crouse-Hinds facility. Zinc hydroxide sludge was also reportedly deposited in this landfill between 1972 and 1980. Between 1980 and 1983 approximately 40 cubic yards per day of industrial waste, from the Crouse-Hinds facility, including foundry sand and core butts were disposed of in the landfill. In April of 1981, Crouse-Hinds applied for a Part 360 permit to operate a non-hazardous landfill. On 10 March 1982, Crouse-Hinds withdrew the application. The north landfill has been inactive since 1989. The South Landfill reportedly accepted a combination of municipal solid waste from the City of Syracuse and industrial waste from the Crouse-Hinds facility consisting

of foundry mold and core sand, scrap steel drums and shot, fly ash, paint scrapings, garbage and construction/demolition debris. Material placement in this landfill reportedly occurred between 1960 and 1969. Approximately 2,000 cubic yards per week of municipal solid waste from the City of Syracuse was reportedly accepted at the landfill between 1960 and 1963. The landfill has been inactive since 1969.

In 1984, the Site was listed as a "Class 3" New York State Inactive Hazardous Waste Disposal Site (No. 7-34-004) pursuant to Environmental Conservation Law 27-1301(2).

1.3.3 Previous Assessments and Investigations

A summary of the previous site investigations, which were conducted at the Site in the early 1980's are described below. Information referenced in this section has previously been provided as attachments to the NYSDEC-approved PSA Work Plan (dated 9 January 2004, and revised 28 April 2004) and is not provided in this report.

Phase I Report, Engineering Investigations and Evaluations at Inactive Hazardous Waste Sites, Crouse Hinds, Onondaga County, NY. Engineering-Science, Inc., June 1983.

The NYSDEC retained Engineering-Science, Inc. (ES) to conduct an engineering investigation and evaluation at the Site, which included the calculation of a Hazard Ranking System (HRS) score and the estimation of costs of any potential remedial actions. ES concluded in their report that there was insufficient information available to complete a final HRS score for the Site. Specifically, ES indicated that additional target information for air and groundwater would be required for generating a HRS score. Based on their evaluation, ES recommended an air monitoring survey to determine air quality. No additional groundwater investigation was recommended. Based on available information it was not clear whether any air quality monitoring was performed at the Site.

Support documentation contained in ES's Phase I Report provided additional information regarding historic operations at the Site as well as additional historic investigations, sampling events and analytical results conducted by others. Specifically, these

investigations included the installation of three groundwater-monitoring wells on the North Landfill and several sampling events conducted in 1980 and 1981 as part of an application for landfill permitting. A review of the findings presented in these reports indicated that groundwater samples collected at the perimeter of the North Landfill detected cyanide, phenols, several volatile organic compounds (VOCs) (i.e., benzene, toluene, xylene and chloroform) and some metals (i.e., cadmium, chromium and zinc) in groundwater samples. Limited groundwater monitoring at the South Landfill detected the presence of cyanide in groundwater samples.

Hydrogeologic Investigation, Crouse-Hinds Landfill, Syracuse, New York. Empire Soils Investigations, Inc. November 1983.

In the early 1980's, Crouse-Hinds retained Empire Soils Investigations, Inc. (a.k.a. Thomsen Associates) to complete a hydrogeologic investigation specific to the North Landfill. The purpose of this investigation was to determine groundwater flow direction in each of two distinct aquifers located beneath the landfill. These aquifers reportedly consisted of peat deposits located directly beneath the waste material and a sand and gravel unit located beneath the peat layer. A silt and clay unit ranging from 12 to 54 feet in thickness reportedly separates the two aquifers.

As part of the investigation, Thomsen Associates installed a total of 11 test borings, eight of which were completed as monitoring wells to supplement the existing monitoring well network (i.e., three wells installed by others). The monitoring wells included three locations installed in the shallow (i.e., peat) aquifer beneath the waste material and five locations installed in the deeper (i.e., sand and gravel) aquifer (**Note:** three of the deeper well locations were coincident with the shallow wells resulting in three nested pairs of wells). The three remaining soil borings were drilled west of the landfill; however, wells were not installed in these test borings.

According to the Thomsen Associates report, the soils encountered beneath the landfill consist of a peat layer ranging in thickness from 0.5 feet to 9 feet directly underlying the waste material. The peat layer is thicker to the west of the landfill and ranges from 10.5

feet to 17 feet in thickness. A silt and clay unit underlies the peat layer and ranges in thickness from 12 feet to 54 feet with the thickest portion of the unit in the southwestern portion of the landfill. A medium to coarse sand with varying amounts of gravel underlies the silt and clay. The sand and gravel was described as at least 20 feet thick, the lower extent of which was not encountered during drilling activities.

In order to determine the groundwater flow direction in each aquifer as well as to identify any seasonal variation in flow direction, water level measurements were collected from each well, new and existing, on a monthly basis from December 1982 through October 1983. The results of the water level measurements indicated a general flow direction in the shallow aquifer to the west and southwest toward Ley Creek. The water level measurements also indicated a minor seasonal variation in the eastern portion of the landfill during the winter months. This variation consisted of an easterly to southeasterly component of flow in the eastern portion of the landfill. Water level measurements in the deeper aquifer indicated a more significant seasonal variation in the sand and gravel. During the summer months, the general groundwater flow direction was to the east and during the winter months, the general groundwater flow direction was to the west. Thomsen Associates also noted that the deeper aquifer was under artesian conditions for the majority of the year.

Based on their investigation, Thomsen Associates concluded that any leachate produced by the landfill should flow through the peat layer toward Ley Creek. They further concluded that the vertical migration of any leachate generated would be inhibited by the silt and clay unit as well as the artesian conditions in the sand and gravel unit. For these reasons, Thomsen Associates concluded that the effect of the landfill on water quality should be restricted to the groundwater in the organic deposits.

Thomsen Associates also recommended the installation of additional monitoring wells based on the seasonal variations observed in both shallow and deep aquifers. Specifically, Thomsen Associates recommended installing two new wells, one shallow well and one deep well, to further refine groundwater flow direction as well as for monitoring water quality. It does not appear that these wells were ever installed.

2.0 PSA AND SSA SCOPE OF WORK

This section describes the tasks that were completed at the Site during the PSA and SSA. All activities were conducted in accordance with the NYSDEC-approved Work Plans.

2.1 SUBSURFACE SOIL INVESTIGATION

2.1.1 Test Pit Excavations

On 7 and 8 June 2004, a total of 19 test pits (8 on the South Landfill and 11 on the North Landfill) were advanced to a maximum depth of fifteen feet below grade in fill material existing at both landfills to document the nature of fill and underlying soil (Figure 2-1). The majority of the test pits (13) were advanced at or near the estimated perimeter of the waste mass in each landfill; however, 6 test pits were also advanced within the interior areas of each landfill.

Between 24 and 27 October 2005, a total of 41 test pits (21 on the South Landfill and 20 on the North Landfill) were advanced to a maximum depth of 20.5 feet below grade along the perimeter of each landfill to delineate the extent of fill materials at both landfills and to document the nature of fill and underlying soil (Figure 2-2). Test pits were advanced in each location to the base of the fill materials as conditions allowed. Test pit excavations were not extended beyond the known property boundaries and/or below the groundwater surface. Following completion of each test pit, the outer limits of the fill in each test pit were staked and flagged in the field pending location by survey.

During excavation work, Delta's onsite inspector screened all soils with a photoionization detector (PID) and evaluated the soils for odors, staining, and discoloration. Following removal, excavated material was placed back in each excavation and the area was re-graded.

2.2 *HYDROGEOLOGIC INVESTIGATION*

2.2.1 *Monitoring Well Survey*

On 20 April 2004, a survey of all existing monitoring wells located on the Site was conducted to verify the condition of the wells and to determine if the wells were viable, and to determine what, if any, modifications/upgrades were necessary to secure the wells and ensure their future viability. As part of the survey, a detailed inspection of each well was conducted, which included evaluation of the visible well casing and any protective casings. The integrity of the upper concrete seals was also evaluated. Each well was also sounded with an electronic water level indicator to determine depth to groundwater, depth to well bottom and depth of sediment. These measurements were then compared with available well logs to evaluate conditions at each well. Wells were also evaluated for the presence of floating free-phase product, sheens and odors.

The findings of the survey indicated that all existing wells, with the exception of wells W-4A and W-4B, located on the north landfill (Figure 2-1), were usable for the PSA. Wells W-4A and W-4B were determined to be unusable during the PSA due to the presence of compromised concrete seals, which had heaved out of the ground, and due to the presence of significant residual material (up to 20 feet) which had accumulated in the wells. Delta recommended that these two wells be abandoned during the PSA and reinstalled at an onsite location (**Note:** These wells were located in an area that was off of the site proper).

2.2.2 *Well Abandonment*

On 11 June 2004, monitoring wells W-4A and W-4B were abandoned by over drilling the wells with hollow stem augers (HSA) and pressure grouting the boreholes from the bottom to grade as the augers were withdrawn from the boreholes of each former well. On 8 November 2005, monitoring well MW-5 was also abandoned utilizing these same abandonment techniques. All abandonment activities were conducted in accordance with the generally accepted well abandonment guidance established by NYSDEC.

2.2.3 *Monitoring Well Installations*

On 6 through 11 June 2004, seven monitoring wells, consisting of three shallow and deep well pairs (MW-4A and MW-4B, MW-9A and MW-9B, MW-11A and MW-11B) and one shallow well (MW-10) were installed at the Site (Figure 2-1). On 2 through 8 November 2005, five additional monitoring wells, consisting of one shallow and deep well pair (MW-12A and MW-12B), two shallow wells (MW-13 and MW-14), and one deep well (MW-5) were installed at the Site (Figure 2-2). Wells MW-4A and MW-4B were replacements for wells W-4A and W-4B, which were abandoned. These wells were located to the southeast of their former locations in an area that was anticipated to provide upgradient groundwater coverage for the Site. Well MW-5 was a replacement for well MW-5, which was abandoned due to concerns regarding well seals. This well was relocated approximately 20 feet east of its original location. Well pair MW-9A and MW-9B was installed in the southwest corner of the Site to provide groundwater flow and quality data in the area between the north landfill and Ley Creek. Well MW-10 was installed along the west side of the Site to provide groundwater flow and quality data along the edge of the Site in the area between the landfill and Ley Creek. Well pair MW-11A and MW-11B was installed along the eastern side of the Site to provide groundwater flow and quality data in an area where groundwater data were previously not available. Well pair MW-12A and MW-12B was installed along the northern border of the north landfill to supplement groundwater flow data in an area where there was limited hydrogeologic coverage. Wells MW-13 and MW-14 were installed in the central area of the north landfill to establish groundwater conditions in this area of the Site where shallow groundwater flow data was not available.

Monitoring well borings were installed to a maximum depth of approximately 68 feet below grade using 4.25-inch inside diameter (ID) HSA drilling techniques. Using a split-spoon sampler, soil samples were collected continuously from grade to the depth of completion in all deep well borings (MW-4B, MW-9B, MW-11B, and MW-12B), and at the locations of the unpaired shallow wells (MW-10, MW-13, and MW-14). Delta's onsite geologist logged and classified all soil samples, screened all soils with a PID, and evaluated the soils for odors, staining, and discoloration.

Upon completion of each well boring, monitoring wells, which were constructed of two-inch-diameter PVC riser and 10 feet of 0.01-inch slot PVC well screen were installed in each boring. The well screen in shallow wells was installed to straddle the shallow water table. The well screen in the deep wells was installed in the sand and gravel unit. A sand pack was installed around the well screen and extended one to two feet above the top of the well screen. A one-foot-thick bentonite pellet seal was placed above the sand pack and a cement/bentonite grout was utilized to backfill the remainder of the annulus to grade. The wells were completed with steel protective guard pipes. Following installation, reference points were marked on the top of the well casing to allow for surveying. All generated wastes (i.e., soil cuttings) were staged on, and covered with, plastic sheeting pending proper management, as needed.

2.2.4 Monitoring Well MW-6A Area Evaluation

On 24 October and between 2 and 3 November 2005, two downgradient test pits (TP-OW-1 and TP-OW-2) and four temporary upgradient observation wells (OW-1 to OW-4) were installed at the north landfill, respectively (Figure 2-2). The observation wells and test pits were installed in the area surrounding monitoring well MW-6A in an effort to determine the source and extent of free phase floating product, which had been observed in this well during the 2004 PSA and previous site investigation activities.

Observation well borings were installed in the area upgradient of monitoring well MW-6A at distances of approximately 100 feet on center. Soil samples were collected continuously from grade to depth-of completion, logged, and field screened with a PID during boring installation. Upon completion of each boring, observation wells were constructed in each boring per the construction details presented in Section 2.2.3 (see above).

Test pits were installed in the area immediately downgradient of monitoring well MW-6A near the edge of the mapped wetland area per the installation details presented in Section 2.1.1 (see above). Following installation of the test pits, the test pits were left open and groundwater in the test pits was checked for the accumulation of petroleum free

product on the water surface for a period of twenty-four hours. Following this evaluation, the test pits were backfilled to grade with excavated materials.

Following installation and development, the observation wells and monitoring well MW-6A were checked with an electronic petroleum interface probe and disposable bailers for the accumulation of petroleum free product for a period of four months (21 November and 19 December 2005, 7 February, 1 March, and 24 March 2006).

2.2.5 Well Development

Low-flow purging and development techniques were used to develop each of the newly installed monitoring wells and observation wells. Each well was developed until the turbidity of the water was below 50 NTU, and field parameters (pH, conductivity, and temperature) stabilized. Development water from the wells was checked periodically for the presence of a sheen or free product. Development water from the shallow aquifer was discharged directly to the ground surface; whereas, development water from the deep aquifer was containerized. Following receipt of groundwater analytical data, all containerized groundwater from the deep monitoring wells was disposed of through Cooper's waste water treatment facility.

2.2.6 Groundwater Elevation Monitoring

Groundwater elevation data was collected from all onsite monitoring wells on 23 November 2004, 28 February 2005, and 26 May 2005 to assess seasonal groundwater fluctuations across the Site. Depths to groundwater were measured from the top of the PVC well casing using an electronic water level indicator. Groundwater elevations were calculated and groundwater contour maps were constructed for the shallow and deep aquifer monitoring wells.

2.3 SAMPLING AND ANALYSIS

Environmental sampling during the PSA and SSA was conducted in accordance with the Sampling and Analysis Plan (SAP), which was included in the NYSDEC-approved Work

Plan. Samples collected during the PSA and SSA were analyzed by Severn Trent Laboratories, Inc. (STL), which is an NYSDOH ELAP-certified laboratory that participates in the contract laboratory program (CLP). Laboratory analytical procedures adhered to NYS ASP 2000 methodologies and protocols.

Analytical results were reported by STL using NYSDEC ASP 2000 Category B deliverables (with the exception of TCLP analyses). Site-specific quality assurance/quality control (QA/QC) samples, including matrix spike (MS)/matrix spike duplicate (MSD) samples and field duplicates were collected and analyzed, as appropriate.

2.3.1 Test Pit Excavation Soil Sampling

As part of the PSA sampling activities, one composite soil sample per test pit (TP-1 to TP-19) was selected for laboratory analysis. Soil samples were selected based on visual observations, odors and PID screening data. Soil samples were analyzed for toxic compound list (TCL) VOCs (USEPA Method 8260), TCL semi-volatile organic compounds (SVOCs) (USEPA Method 8270), target analyte list (TAL) metals, cyanide, pesticides (USEPA Method 8081), and PCBs (USEPA Method 8082). Additionally, ten soil samples from mainly interior area test pits (TP-5-WC, TP-6-WC, TP-7-WC, TP-8-WC, TP-9-WC, TP-10-WC, TP-13-WC, TP-14-WC, TP-16-WC, and TP-17-WC) were collected and analyzed for RCRA waste characterization parameters by the Toxicity Characteristics Leaching Procedure (TCLP). Analyses included TCLP VOCs, TCLP SVOCs, TCLP Pesticides/Herbicides, TCLP Metals, ignitability, corrosivity, and reactivity (H₂S and HCN).

As part of the SSA sampling activities, 19 composite soil samples (TP-21, TP-23, TP-26, TP-28, TP-30, TP-32, TP-34, TP-35, TP-38, TP-40, TP-42, TP-44, TP-45, TP-48, TP-49, TP-53, TP-55, TP-58, and TP-OW-2) were selected for laboratory analyses from the 41 test pits installed (approximately 1 per every 2 test pits). Soil samples were selected based on visual observations, odors, staining, PID screening data, and location. Soil samples were analyzed for TCL VOCs (USEPA Method 8260), TCL SVOCs (USEPA

Method 8270), and a limited suite of metals (arsenic, beryllium, cadmium, chromium, copper, lead, mercury, nickel, and zinc).

2.3.2 Surface Soil Sampling

Delta inspected the landfills to document the presence of drainage swales and to estimate if significant leachate releases and/or affected soil and sediment were present. Based on these observations, ten surface soil samples (SS-1 to SS-10) were collected from a depth interval of 0 feet to 0.5 feet below grade and submitted for laboratory analysis (Figure 2-1). Surface soil samples SS-1, SS-2, and SS-3 were collected along the west side of the south landfill as it borders Ley Creek to characterize soil conditions along the western edge of the landfill. Surface soil sample SS-4 was collected from a wet area located along the eastern flank of the south landfill where ponded water had collected and/or was leaching from the landfill. Surface soil sample SS-6 was collected from a wet area located near the center of the north landfill where water was ponding and then draining in a swale to the west. Surface soil samples SS-5 (south landfill), SS-8, SS-9, and SS-10 (north landfill) were collected to evaluate soil conditions in an areas where fill materials were exposed at the surface of the south and north landfills. Surface soil sample SS-7 was collected along the northern border of the north landfill to assess soil conditions in a drainage area located near the base of the north landfill. Soil samples were analyzed for TCL VOCs (USEPA Method 8260), TCL SVOCs (USEPA Method 8270), TAL metals, cyanide, pesticides (USEPA Method 8081), and PCBs (USEPA Method 8082).

2.3.3 Leachate Sampling

Delta inspected the landfills to document the presence of drainage swales and to estimate if leachate releases were present. Based on these observations, while no substantial leachate seeps were noted at either landfill, two leachate/surface water samples (L-1 and L-2) were collected (Figure 2-1). Sample L-1 was collected from a wet area located along the eastern flank of the south landfill where ponded water had collected and/or was leaching from the landfill. This sample was co-located with soil sample SS-4. Sample L-2 was collected from a wet area located near the center of the north landfill where water

was ponding and then draining in a swale to the west. This sample was co-located with soil sample SS-6. Leachate samples were analyzed for TCL VOCs (USEPA Method 8260), TCL SVOCs (USEPA Method 8270), TAL metals, cyanide, pesticides (USEPA Method 8081), PCBs (USEPA Method 8082), and total phenols.

2.3.4 Groundwater Sampling

On 30 June and 1 July 2004, groundwater samples were collected from each of the 19 existing monitoring wells located onsite (Figure 2-1). Prior to sampling, each monitoring well was purged a minimum of three well volumes using low-flow purging techniques. Following purging, groundwater samples were collected directly from dedicated low flow sampling tubing. Field parameters (pH, temperature, conductivity, dissolved oxygen, oxidation-reduction potential (ORP), and turbidity) and groundwater elevation data were collected from each monitoring well prior to purging (water level measurement) and during sampling (field parameters). Groundwater samples were analyzed for TCL VOCs (USEPA Method 8260), TCL SVOCs (USEPA Method 8270), TAL metals, cyanide, pesticides (USEPA Method 8081), PCBs (USEPA Method 8082), and total recoverable phenolic compounds (USEPA Method 420.1).

On 23 November 2004, a groundwater sample was collected from monitoring well MW-5 to verify groundwater-sampling results from the PSA sampling event. Sampling techniques utilized were the same as those utilized during the July 2004 sampling event. The groundwater sample was analyzed for total recoverable phenolic compounds (USEPA Method 420.2).

On 21 and 22 November 2005, groundwater samples were collected from each of the 23 existing monitoring wells located onsite (Figure 2-2). Sampling techniques utilized were the same as those utilized during the July 2004 sampling event. Groundwater samples were analyzed for TCL VOCs (USEPA Method 8260), TCL SVOCs (USEPA Method 8270), total recoverable phenolic compounds (USEPA Method 420.2), and a limited suite of metals (cadmium, chromium, lead, selenium and zinc).

On 4 April 2006, a groundwater sample was collected from monitoring well MW-1 (north landfill) to address inconsistencies observed in the groundwater analytical data for total recoverable phenolic compounds between the 2004 and 2005 groundwater sampling events. The additional sampling was conducted to determine if the concentrations of total recoverable phenolic compounds were more consistent with the 2004 or 2005 analytical data. Sampling techniques utilized were the same as those utilized during the November 2005 sampling event. Groundwater samples were analyzed for TCL SVOCs (USEPA Method 8270) and total recoverable phenolic compounds.

2.3.5 Surface Water Sampling

On 25 October 2005, ten surface water samples were collected from areas of open water and drainage ditches, which were located on the east side of the north landfill (SW-15 to SW-19) and the east side of the south landfill (SW-10 to SW-14) to assess upstream and downstream surface water quality in these areas of the Site (Figure 2-2). Surface water samples were analyzed for TCL VOCs (USEPA Method 8260), TCL SVOCs (USEPA Method 8270), total recoverable phenolic compounds (USEPA Method 420.1), and a limited suite of metals (cadmium, chromium, lead, nickel, zinc, magnesium, and calcium).

2.3.6 Sediment Sampling

On 25 October 2005, ten sediment samples were collected from areas of open water and drainage ditches, which were located on the east side of the north landfill (SED-15 to SED-19) and the east side of the south landfill (SED-10 to SED-14) to assess upstream and downstream sediment quality in these areas of the Site (Figure 2-2). **Note:** these samples were co-located at the surface water sampling locations noted in Section 2.3.5 (see above). Sediment samples were analyzed for TCL VOCs (USEPA Method 8260), TCL SVOCs (USEPA Method 8270), TAL Metals, PCBs (EPA Method 8082) and total organic carbon (TOC) utilizing the Lloyd Kahn method.

2.4 LEY CREEK SAMPLING

On 9 June 2004, four surface water samples (SW-1 to SW-4) and five sediment samples (SED-1 to SED-4, and SED-6) were collected in Ley Creek at locations proximal to the Site (Figure 2-1). Sampling locations were established at the north and south boundaries of each landfill based on field observations and availability of surface water and sediment. Sediment sample location SED-6 was not included as part of the surface water or the sediment sampling scope of work, which was included as part of the NYSDEC-approved PSA Work Plan. However, a sediment sample was collected at this location in place of the sediment sample that was proposed for collection near a reported storm sewer, which was never located during the PSA site reconnaissance (See Section 2.5). Surface water and sediment samples were analyzed for TCL VOCs (USEPA Method 8260), TCL SVOCs (USEPA Method 8270), TAL metals, cyanide, pesticides (USEPA Method 8081), and PCBs (USEPA Method 8082). Surface water samples were also analyzed for total recoverable phenolic compounds (USEPA Method 420.1). Additionally, sediment samples were analyzed for TOC..

In addition to the sampling points, the PSA Work Plan proposed the installation of two stream gauges in Ley Creek, one at the northern boundary of the north landfill and one at the southern boundary of the south landfill. However, observations indicated that there were no locations along Ley Creek where the gauges could be located on Cooper property and properly anchored. All accessible sites were off of the Site and/or in areas where setup of gauges was not possible. Therefore, Delta requested that NYSDEC allow for available stream gauging data from a gauging station located downstream of the Site to be used to supplement the stream gauging data. On 16 July 2004, NYSDEC's project manager indicated acceptance of Delta's proposed modification.

2.5 STORM SEWER ASSESSMENT

During site reconnaissance activities, conducted during the week of 31 May 2004, Delta attempted to locate an old storm sewer that was reportedly used in the past to discharge process water on and/or near the Site. Reconnaissance performed across the Site was .

unable to locate this feature. In addition, facility personnel searched available records including site plans and as-built plans in an effort to locate information regarding the location of this reported feature; however, facility personnel were unable to locate any records related to this reported feature. Since the feature was unable to be located in the field or on facility drawings, the, sampling proposed in the PSA Work Plan was not conducted.

2.6 SURVEYING

Upon completion of all field tasks, the horizontal and vertical locations of all soil borings, monitoring wells and observation wells were surveyed by a New York State (NYS) licensed land surveyor. Vertical elevations were recorded to the nearest 0.01-foot. Top-of-PVC casing elevations for each monitoring and observation well were also recorded to the nearest 0.01-foot to establish water table elevations and groundwater flow direction. Sampling points including; surface water, surface soil, sediment, and leachate were also surveyed and referenced to an onsite fixed datum point. The location of test pits and wetland boundaries were flagged in the field and were also located by survey and referenced to established onsite datum points.

2.7 FISH AND WILDLIFE ASSESSMENT

During June and July 2004, Delta conducted Step 1 of NYSDEC's Fish and Wildlife Impact Analysis (FWIA) process for the Site as outlined in the NYSDEC guidance document entitled, "Fish and Wildlife Impact Analysis for Inactive Hazardous Waste Sites", dated October 1994.

2.8 WETLAND DELINEATION

In November 2005, wetland delineation was conducted across the Site in an effort to define the extent of wetlands onsite. Wetland delineation tasks included assembling and reviewing existing data (maps, soil survey, and air photographs) regarding wetlands and wetland features and conducting field sampling activities to verify Site conditions. Field sampling was conducted to collect data regarding vegetation, soils, and hydrology according to the criteria set forth in the

1987 Corps of Engineers Wetlands Delineation Manual, Classification of Wetlands and Deepwater Habitats of the United States, and the 1995 NYSDEC Freshwater Wetlands Delineation Manual. Wetlands identified in the field and in reference sources were flagged for location by survey.

3.0 *PSA RESULTS*

This section describes the results of the PSA and SSA investigation activities and presents the validated analytical data for the samples, which were collected as part of the PSA and SSA.

3.1 *DATA EVALUATION*

Following receipt, analytical data were checked for completeness and accuracy; and were validated by Mr. Donald Anné, a NYSDEC-approved data validation chemist (Note: Groundwater data from the re-sampling of well MW-1 in April 2006 was not validated). Following validation, a Data Usability Summary Report (DUSR) was prepared for each data package. DUSR's are presented in Attachment 1. Analytical data summary reports are presented in Attachment 2. Analytical backup reports (laboratory QA/QC, chromatographs, etc.) are not presented as part of this report; however, they will be made available upon request.

Analytical data for test pit and surface soil samples were compared to NYSDEC TAGM 4046 recommended soil cleanup objectives. Waste characterization data for test pit samples was compared to USEPA's Maximum Concentration of Contaminants for the Toxicity Characteristic, as defined by TCLP.

Groundwater and surface water analytical data were compared to NYSDEC Division of Water Technical and Operational Guidance Series 1.1.1 (TOGS) ambient water quality standards and guidance values, which are derived from 6 NYCRR Parts 700-705, Water Quality Regulations. **Note:** Where applicable (2005 SSA sampling data) surface water quality standards were calculated utilizing calculated water hardness, which was based on calcium and magnesium concentrations.

Sediment analytical data were compared to NYSDEC's Division of Fish, Wildlife and Marine Resources Technical Guidance for Screening Contaminated Sediments. Where applicable sediment screening criteria were recalculated utilizing TOC data (average

TOC concentrations) as per NYSDEC's Technical Guidance for Screening Contaminated Sediments.

3.2 *SOIL INVESTIGATION RESULTS*

Observations and field screening conducted during the installation of 60 test pits, 11 monitoring wells, and 4 observation wells across the Site indicated the following (Figure 3-1). Test pit logs and soil boring logs are presented in Attachment 3.

3.2.1 *North Landfill Test Pits*

- Test pits installed across the north landfill (TP-1 to TP-11 and TP-20 to TP-37) ranged in depth from 6 feet to 17.5 feet below grade. Generally, material encountered in these test pits was industrial fill, which consisted primarily of foundry sand with miscellaneous amounts of foundry core butts, foundry molds, metal debris, wood debris, and miscellaneous industrial debris. The foundry sand was black in color and generally exhibited an oily nature (degraded oily odor and oily appearance). Additionally, in test pits that were located along the northern border of the landfill (TP-28 to TP-33) there was evidence of a greater amount of general refuse (glass, bottles, plastic debris, paper, cans, etc.) mixed in with the industrial materials in distinct layers that were observed in the upper extent of these test pits. PID readings in the test pits ranged from 1 ppm to 27 ppm in all test pits, with the exception of those in test pit TP-4, which were up to 237 ppm. Elevated PID readings in TP-4 appeared to be related to the presence of petroleum-based waste materials, which were observed within the test pit debris and on the water surface (petroleum sheen) in the test pit.
- Fill material was encountered from grade to depths of up to 17 feet below grade in test pits located across the north landfill. Cover material present on top of the fill material consisted of a thin organic layer that supported the vegetative cover. Thickness of the fill material across the landfill varied from 3 feet to 17 feet.
- The thickness of fill observed across the southern half of the north landfill (TP-1, TP-2, TP-3, TP-8, TP-20 to TP-26, TP-36, TP-37, TP-OW-1, and TP-OW-2)

ranged between 3 feet (TP-8) and 17 feet (TP-36 and TP-37). Materials underlying the majority of fill across this portion of the landfill generally consisted of peat deposits. Clay was observed underlying fill materials in only one test pit (TP-8).

- The thickness of fill material observed beneath the northern half of the north landfill (TP-4 to TP-7, TP-9 to TP-11, and TP-27 to TP-35) varied from 9 feet to 16 feet. Materials underlying the majority of fill across this portion of the landfill generally consisted of peat deposits; however, sand and gravel deposits were observed beneath the fill materials in several test pits (TP-5 to TP-7) located in the northeast area of the landfill.. In test pits TP-5 and TP-9, the extent of the fill was not determined due to equipment limitations on the depth of excavation. In these excavations the thickness of fill was greater than 15 feet.
- Test pit excavations across and along the property boundary of the north landfill and to the edges of mapped onsite wetlands determined that the limits of fill material located onsite extended up to the Site's property boundary and up to mapped wetland boundaries. Observations also indicated that fill materials extended beyond the Site's property boundaries to the north and west, and into mapped wetland features located on the east and west sides of the landfill. The presence of railroad tracks to the east and Seventh North Street to the south appears to have limited the extent of fill materials in these areas to within the Site's property boundaries. The thickness of fill materials at the property boundaries and edges of wetlands ranged from 4 feet (TP-35) to 17 feet (TP-36) with the average thickness being approximately 9 feet.
- Test pit excavations across the north landfill were able to define the vertical limits of fill materials located across the majority of the landfill. Fill thickness was found to be greater across the northern half of the landfill, where mounding of fill is evident, versus the southern half of the landfill, where topography is flat.
- Observations indicated that the natural materials underlying the fill material generally consisted of continuous deposits of peat and/or sand and gravel. The occurrence and nature of these deposits was similar to those identified during previous hydrogeologic investigations at the Site (See Section 1.3.3) and are

consistent with those deposits which comprise the shallow aquifer beneath the Site. Groundwater was also encountered in numerous test pits.

3.2.2 *South Landfill Test Pits*

- Test pits installed across the south landfill (TP-12 to TP-19 and TP-38 to TP-58) ranged in depth from 4.5 feet to 20.5 feet below grade. Material encountered in these test pits was either industrial fill (TP-12, TP-16, TP-38, TP-39, TP-50 to TP-52, TP-57, and TP-58), which consisted primarily of foundry sand with miscellaneous amounts of foundry core butts, foundry molds, metal debris, wood debris, and miscellaneous industrial debris, or municipal fill (TP-13, TP-14, TP-15, TP-17, TP-18, TP-19, and TP-47), which consisted of paper, glass bottles, plastic, wood, metal cans, metal debris, and general municipal refuse, or a mixture of both fill types (TP-40 to TP-46, TP-48, TP-53 to TP-56). The foundry sand contained in the industrial fill was black in color and generally exhibited an oily nature (degraded oily odor and oily appearance). PID readings in the test pits, which contained the industrial fill generally ranged from 10 ppm to 17 ppm. The municipal fill material had PID readings ranging from 1 ppm to 7 ppm, and did not exhibit odors typically associated with petroleum-impacted materials.
- Fill material (industrial and commercial) was encountered from grade to depths of greater than 20 feet below grade in test pits located across the south landfill. Cover material present on top of the fill material consisted of a thin organic layer that supported the vegetative cover. Thickness of the fill material across the landfill varied between 0 feet and greater than 19 feet. The thickness of fill materials observed in the central area of the landfill (TP-13, TP-16, and TP-17) was generally several feet greater (11.5 feet to 15+ feet) than that observed in test pits located along the perimeter (TP-12, TP-14, TP-15, TP-18, TP-19, and TP-38 to TP-58) of the landfill (average of 8 feet). Materials underlying the fill material beneath the landfill generally consisted of peat deposits, with the exception of silt and clay deposits, which were encountered in the area of TP-19. In test pit TP-16, the extent of the fill was not determined due to equipment limitation on the depth of excavation. In this excavation the thickness of fill was greater than 15 feet.

- Test pit excavations across and along the property boundary of the south landfill and to the edges of mapped onsite wetlands and streams determined that the limits of fill material located onsite extended close to (within 5 feet to 10 feet) the Site's northern property boundary and up to mapped wetland and stream boundaries. Observations also indicated that fill materials extended into mapped wetland features located on the east and south sides of the landfill and to the edge of Ley Creek to the west. The presence of railroad tracks to the east, roads (Seventh North Street) to the north, and Ley Creek to the west appears to have limited the extent of fill materials in these areas to within the Site's property boundaries. The thickness of fill materials at the property boundaries and edges of wetlands ranged from 0 feet (TP-49) to 20.5 feet (TP-39) with the average thickness being approximately 8 feet.
- Test pit excavations across the south landfill were able to define the vertical limits of fill materials located across the majority of the landfill. Observations indicated that the natural materials underlying the fill material generally consisted of continuous deposits of peat. The occurrence and nature of these deposits was similar to those which comprise the shallow aquifer beneath the Site. Groundwater was also encountered in numerous test pits.

3.2.3 *Soil Borings*

Soil borings installed in the deep monitoring well borings (MW-4B, MW-9B, MW-11B, MW-12B) and shallow well borings (MW-10, MW-12A, MW-13, MW-14, and OW-1 to OW-4) across the north landfill confirmed the presence of several distinct geologic units and aquifers beneath the Site, which had been identified by others during previous hydrogeologic investigations at the Site (See Section 1.3.3). The units observed during the installation of these borings were consistent with those deposits, which comprise the shallow and deep aquifers beneath the Site.

Soil borings indicated the presence of up to 14 feet of industrial fill material (foundry sand, core butts, and miscellaneous debris) overlying 6 feet to 11.5 feet of peat deposits that were mixed with miscellaneous amounts of sand. Shallow groundwater was

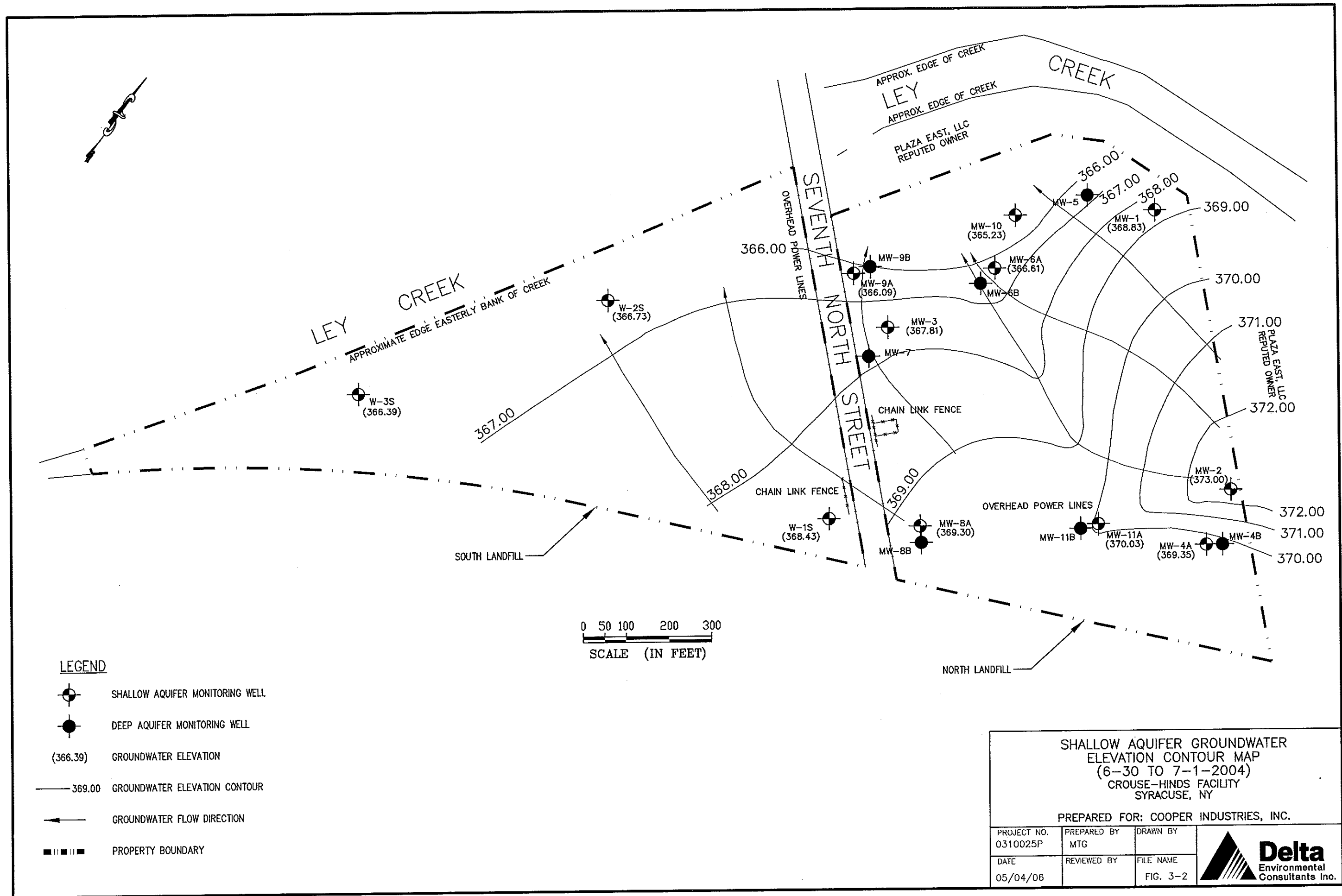
encountered in this unit. Materials underlying the peat layer consisted of 4 feet to 43 feet of a mixture of silt and clay, which was underlain by a water-bearing sand and gravel unit. The silt and clay unit appeared to be a confining layer between the upper peat layer and the lower sand and gravel deposits.

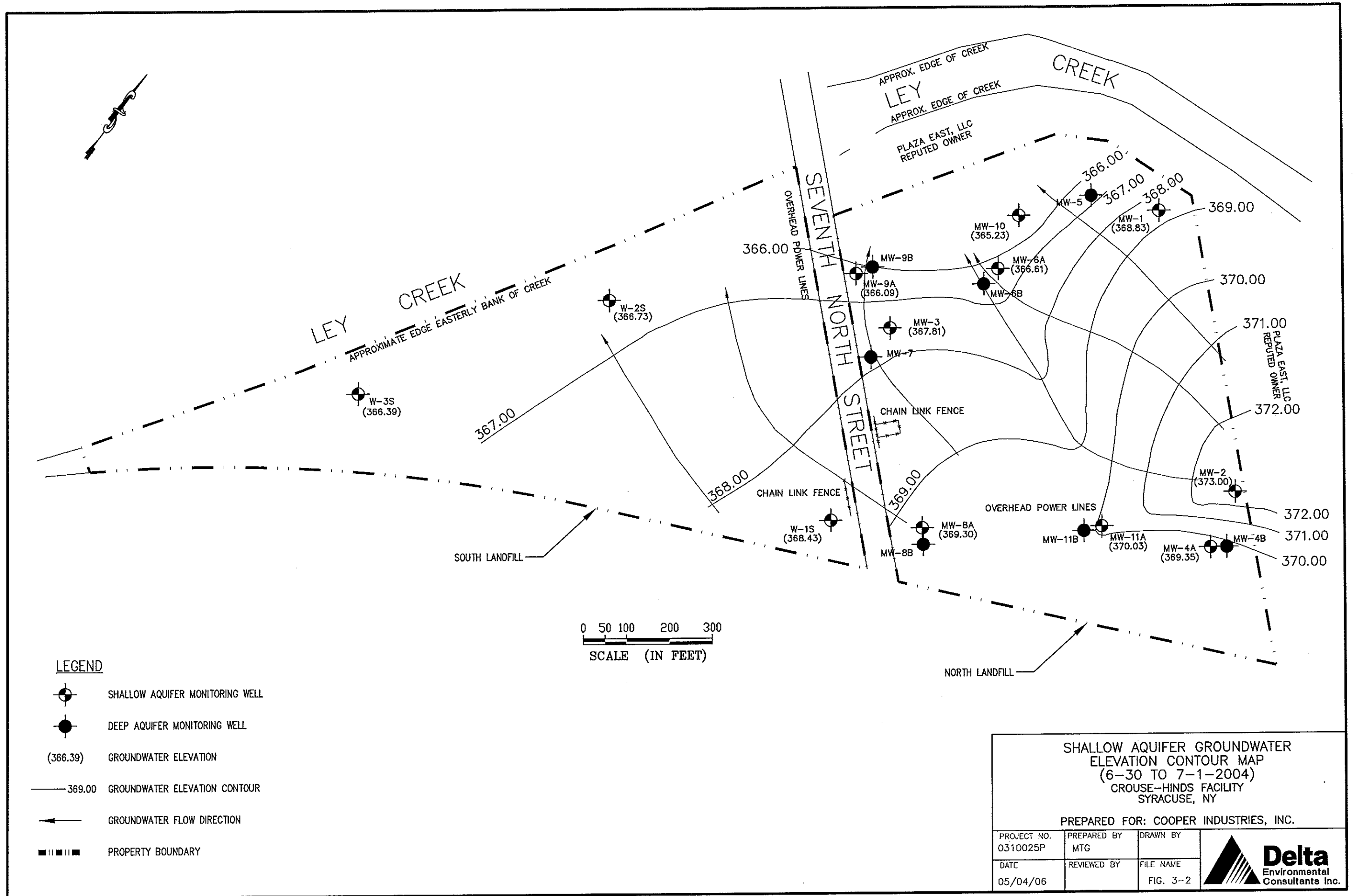
3.3 *HYDROGEOLOGIC INVESTIGATION RESULTS*

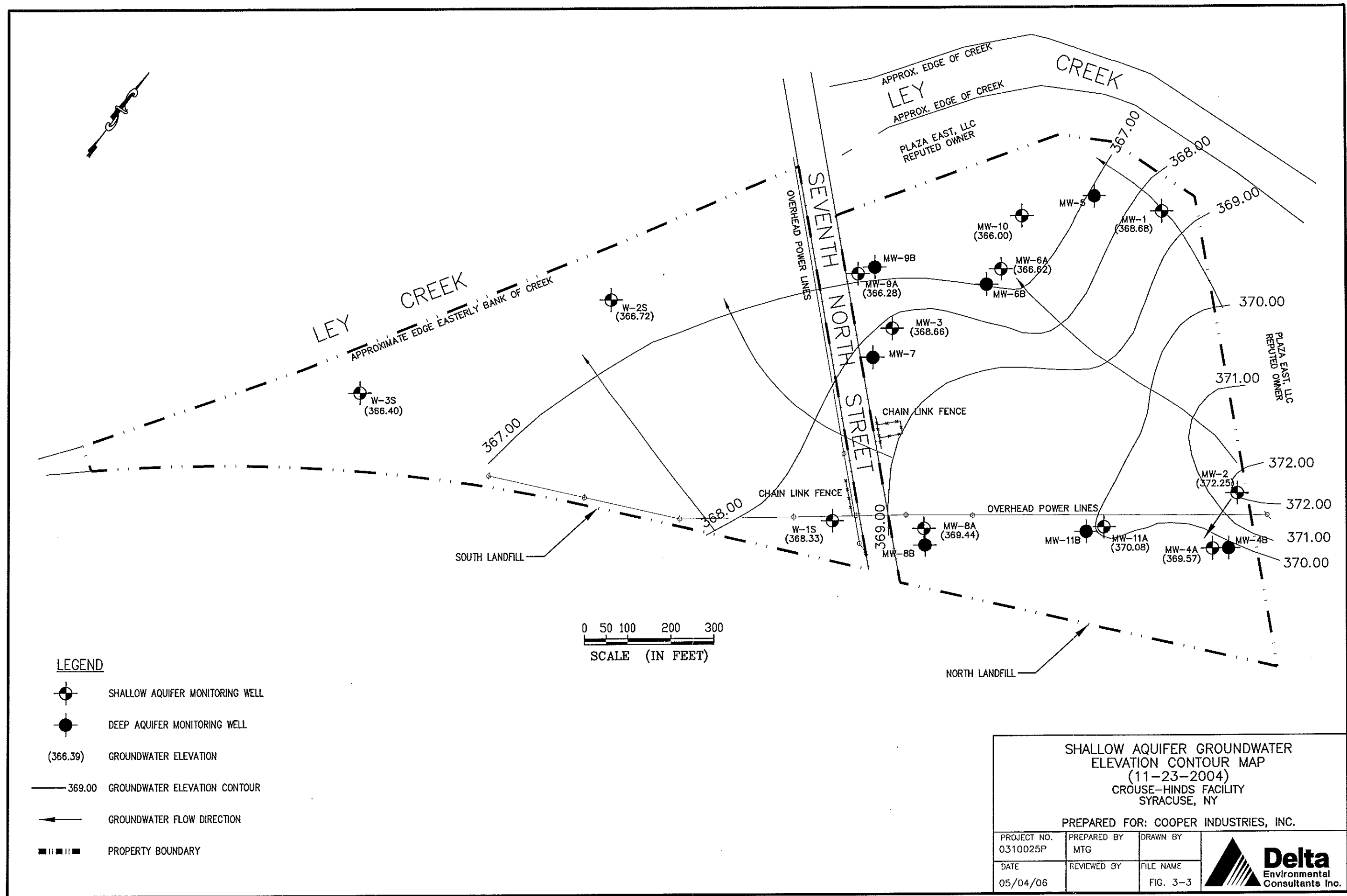
Previous hydrogeologic investigations at the Site encountered two groundwater flow systems beneath the north landfill and one beneath the south landfill (**Note:** the presence of the second flow system beneath the south landfill was not confirmed because deep borings and wells were not installed across the landfill). These findings were confirmed by wells which were installed during the PSA and SSA. The two groundwater flow systems which exist beneath the Site consist of a shallow water table aquifer, which is located in the peat and fill deposits, and a deep confined groundwater flow system in the sand and gravel deposits. The deep aquifer system is separated from the overlying shallow aquifer by a continuous confining layer of silt and clay deposits of varying thickness and is under artesian conditions.

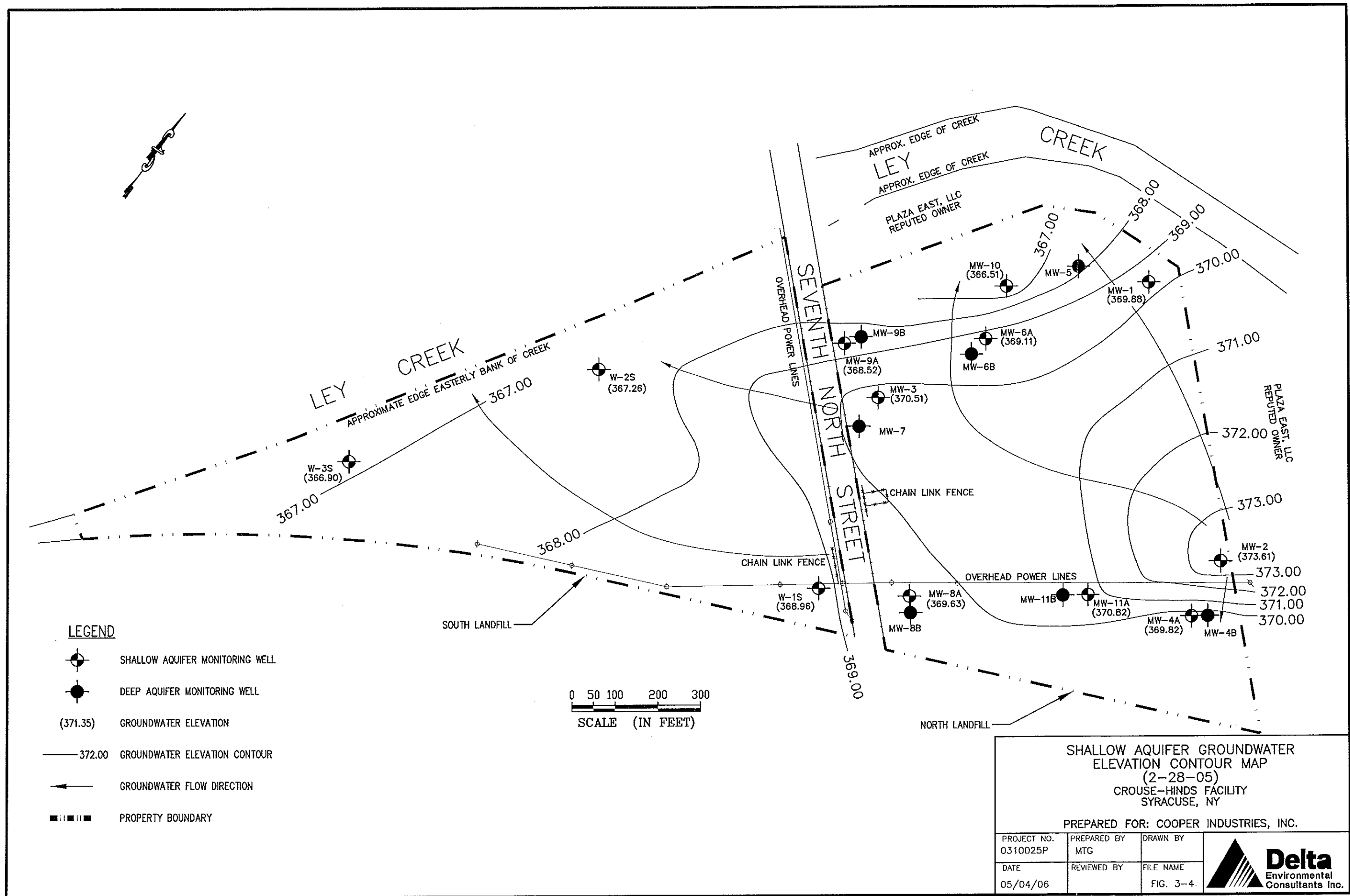
3.3.1 *Shallow Aquifer*

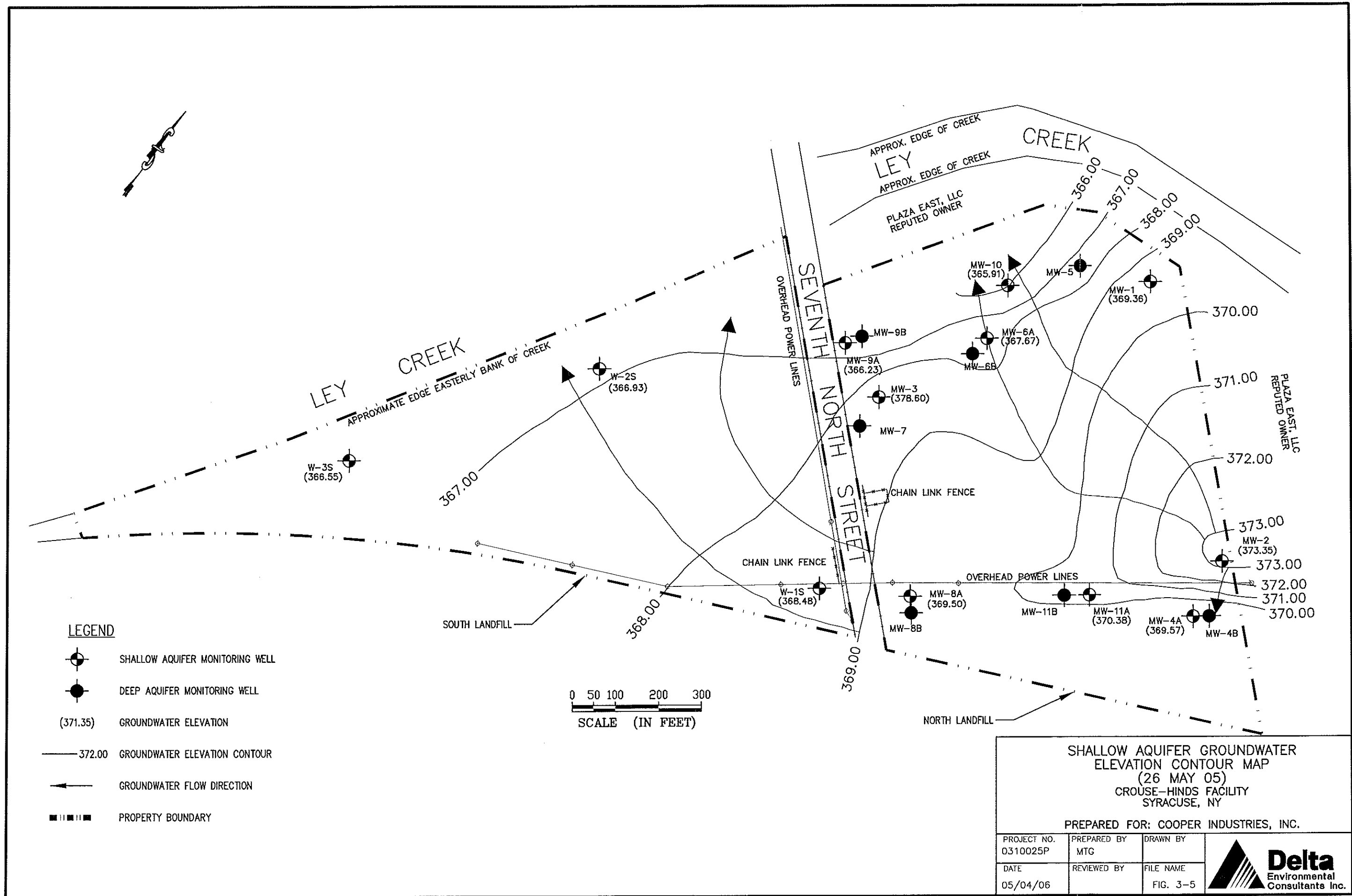
Groundwater occurs in the shallow unconfined aquifer at depths of approximately 1.7 feet to 10 feet below grade (Attachment 3). Groundwater flow conditions across the Site for monitoring events conducted in July and November 2004, and February, May and November 2005 are illustrated on Figures 3-2 to 3-6. Based on the groundwater flow maps, groundwater flow throughout the year in the shallow aquifer across the Site is generally to the west towards Ley Creek. However, in the northeast corner of the Site (area of wells MW-2, MW-4A and MW-11A) and near the southeast corner of the north landfill (area of MW-8A) groundwater flow direction appears to be towards the east in the direction of wetlands and streams that are located immediately adjacent to wells in that area of the Site. During 2004 (July and November) and early 2005 (February and May), groundwater data indicated that groundwater flow across the north landfill appeared to be deflected in the center of the landfill. The deflection appeared to be related

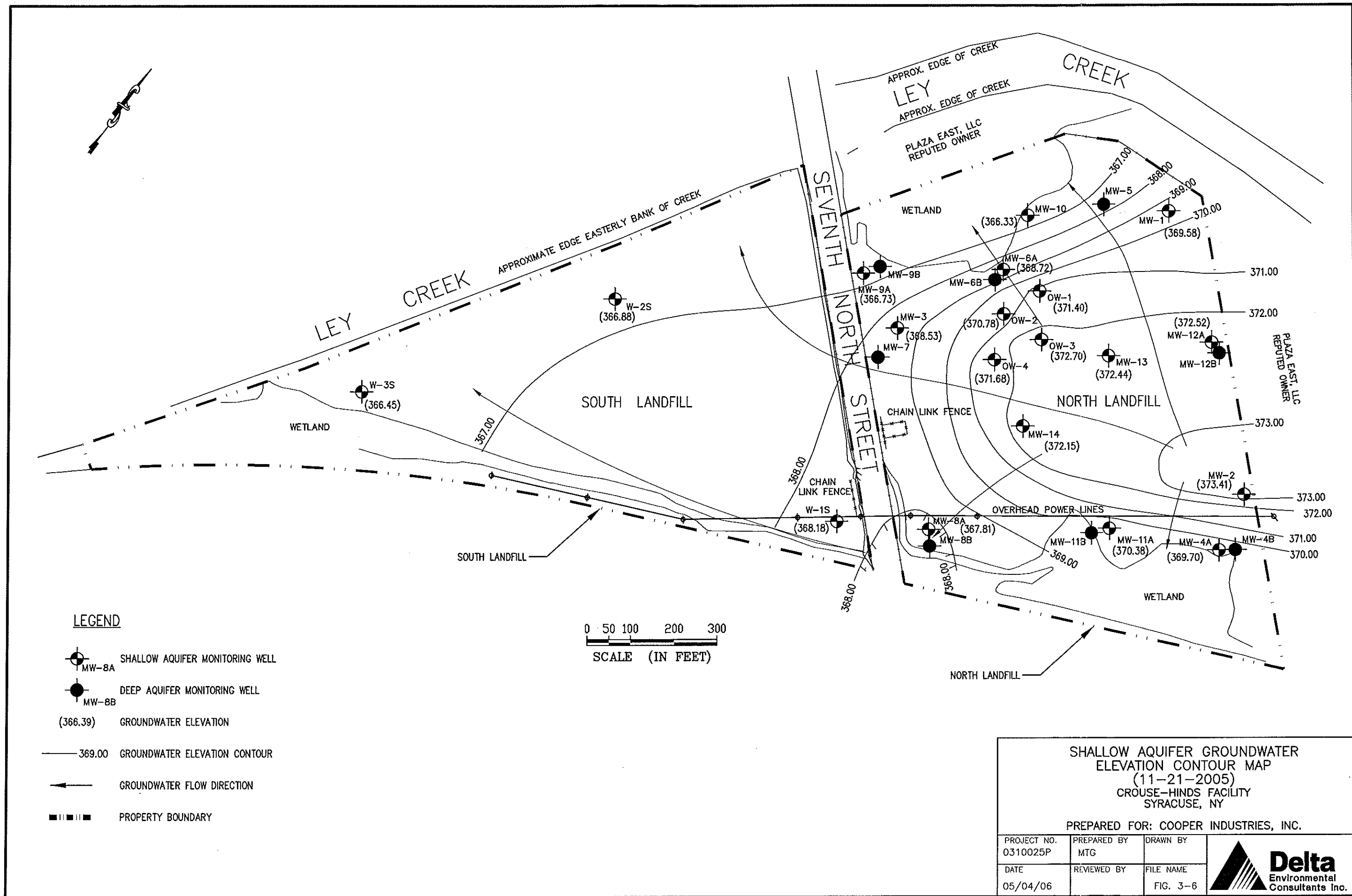










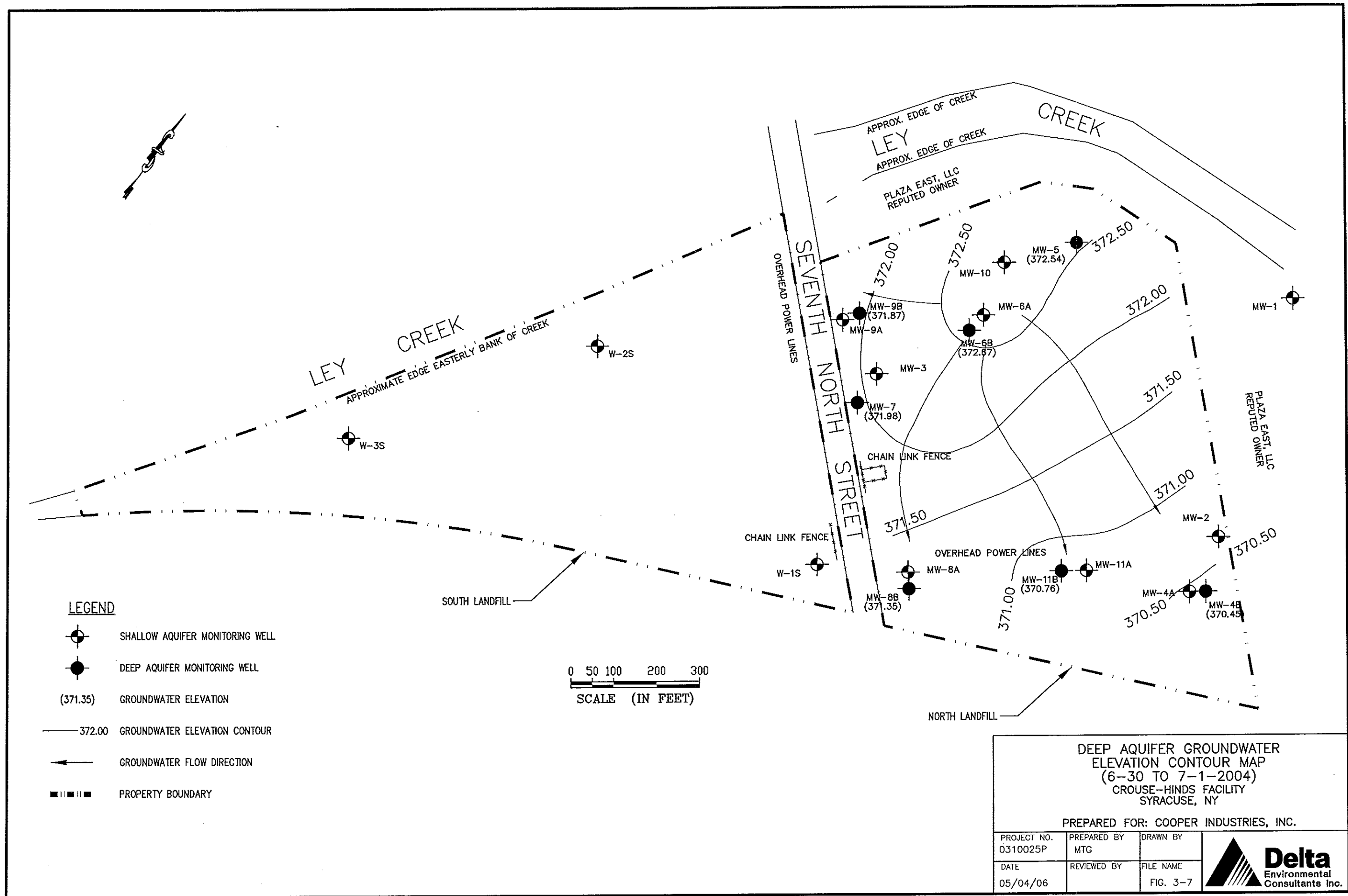


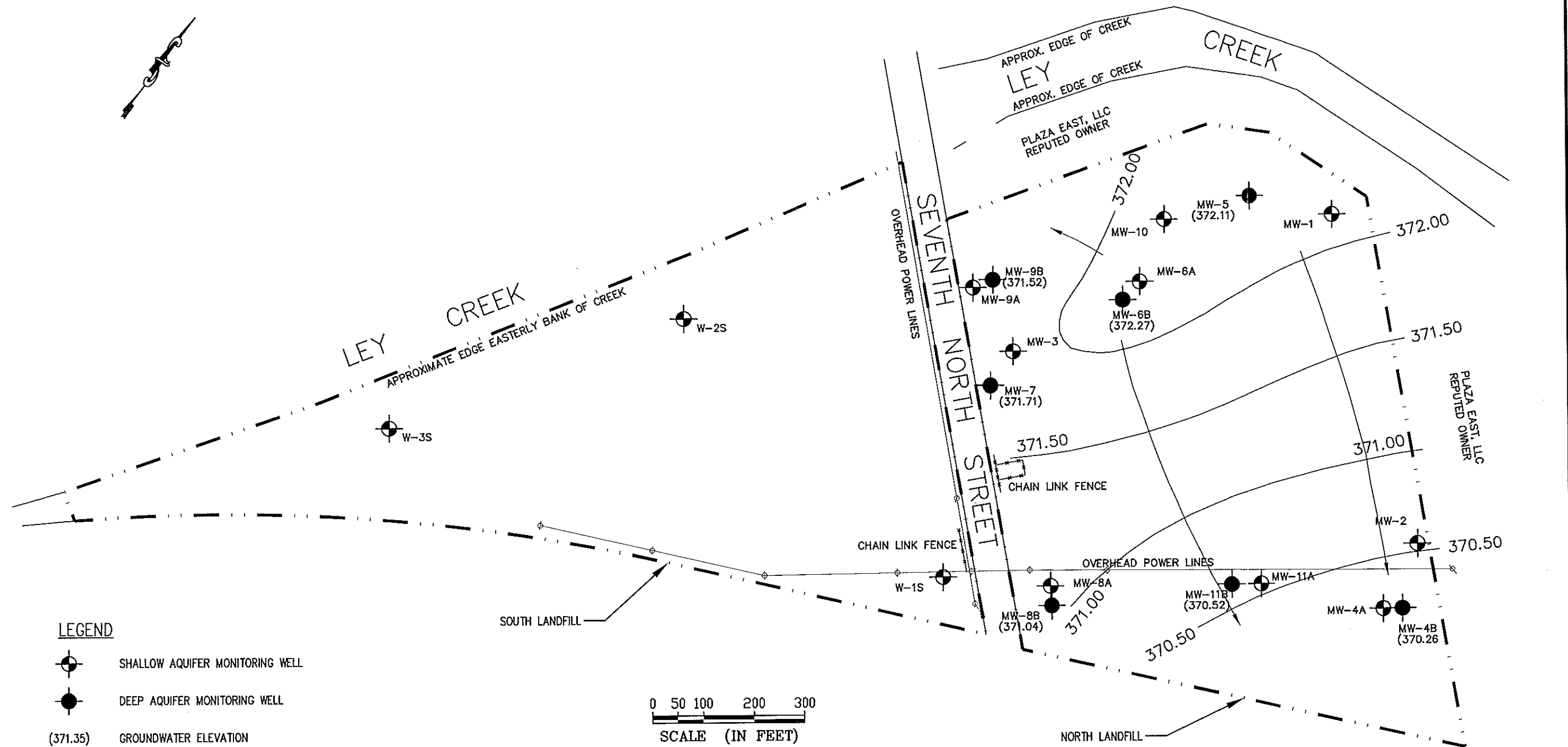
to topography changes in the area, which are related to the presence of a fill mound to the north and a drop in the thickness of the mound to the south. The slope of the fill mound transitions to flatter areas of the Site in the central area of the north landfill, where the contour and flow deflections change across the groundwater surface. In 2005, following installation of monitoring wells MW-13 and MW-14 and observation wells OW-1 to OW-4 flow direction across the central area of the north landfill was further defined and indicated that shallow groundwater flow direction was radially outward to the east, south, and west from the mounded area of the landfill. Additionally, groundwater flow data indicated that groundwater gradients were steeper along the slopes of the mound as it transitioned to flatter areas of the Site. The hydraulic gradient of the water table aquifer varies from 0.0024 feet/feet, across the south landfill and south central area of the north landfill, to 0.01 feet/feet, across the north central and northern area of the north landfill.

Contrary to the conclusions of previous groundwater investigations conducted at the Site in the early 1980's, there were no apparent seasonal variations in groundwater flow direction or gradients observed in the shallow aquifer during the PSA and SSA.




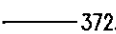


3.3.2 *Deep Aquifer*

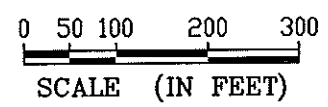
Groundwater in the deep aquifer is under artesian conditions and groundwater elevations measured in the deep monitoring wells were measured near and/or above grade in all deep monitoring wells (Attachment 3). Groundwater flow conditions across the Site for monitoring events conducted in July and November 2004, and February, May and November 2005 are illustrated on Figures 3-7 to 3-11. Based on the groundwater flow map, groundwater flow throughout the year in the deep aquifer across the north landfill section of the Site is radially outward (northeast to northwest) from the area of MW-5 and MW-6B. The hydraulic gradient of the deep aquifer ranges between 0.0014 feet/feet to 0.004 feet/feet. Water level data in paired wells (MW-4A and MW-4B, MW-6A and MW-6B, MW-8A and MW-8B, MW-9A and MW-9B, MW-11A and MW-11B, and MW-12A and MW-12B) indicate that an upward vertical gradient is present in the deep aquifer.






LEGEND

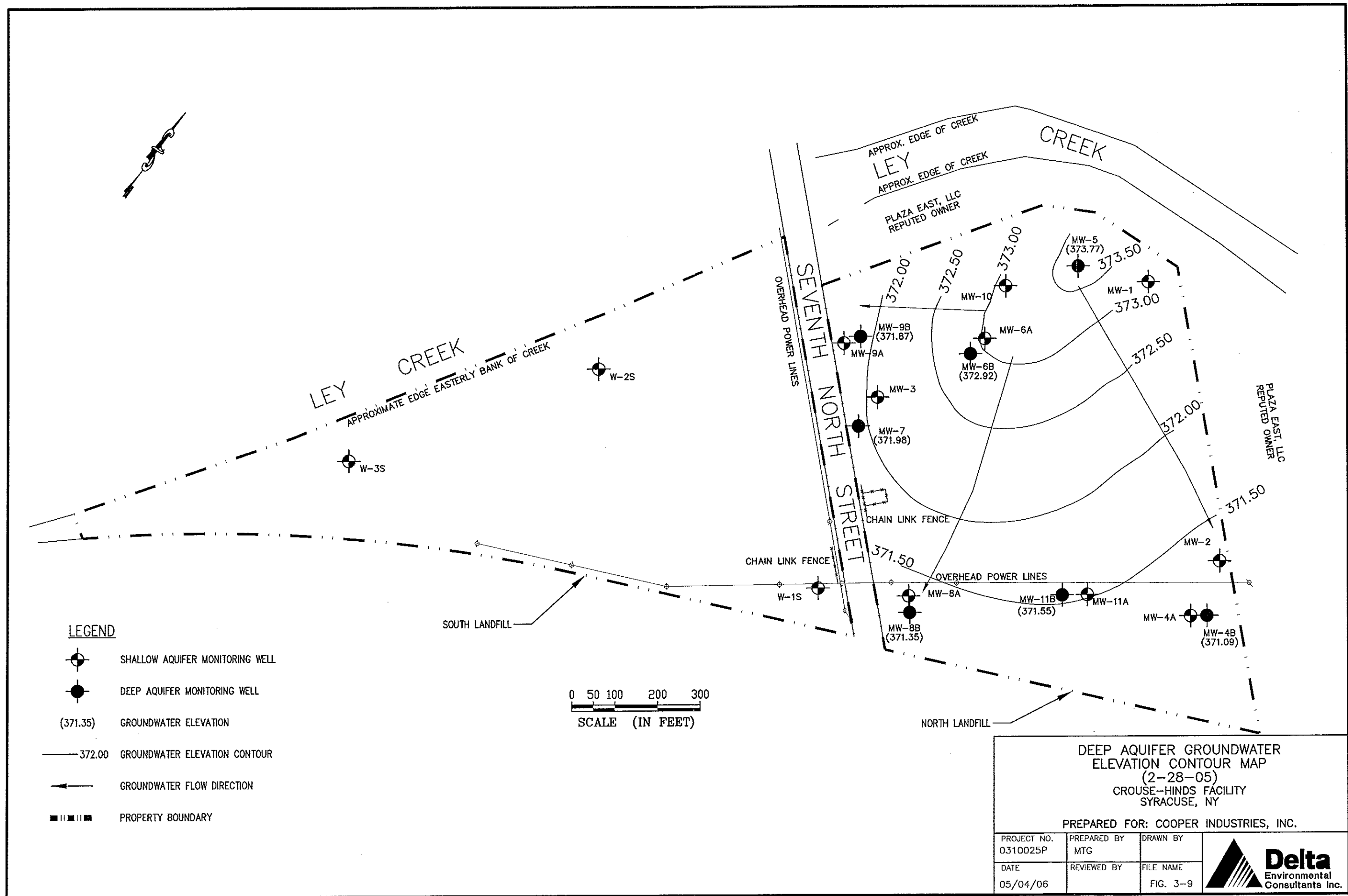
-  SHALLOW AQUIFER MONITORING WELL
-  DEEP AQUIFER MONITORING WELL
-  (371.35) GROUNDWATER ELEVATION
-  372.00 GROUNDWATER ELEVATION CONTOUR
-  GROUNDWATER FLOW DIRECTION
-  PROPERTY BOUNDARY

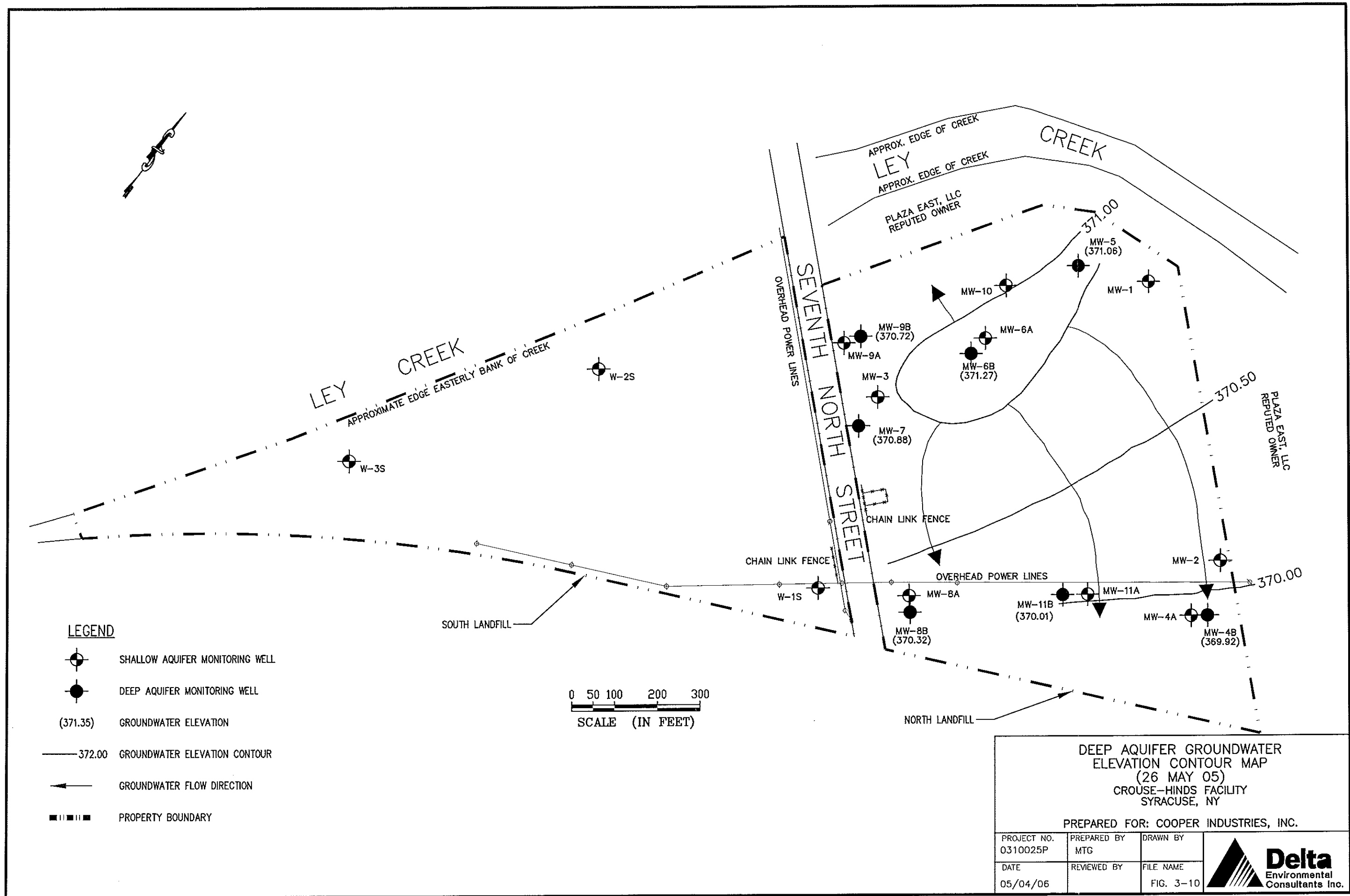


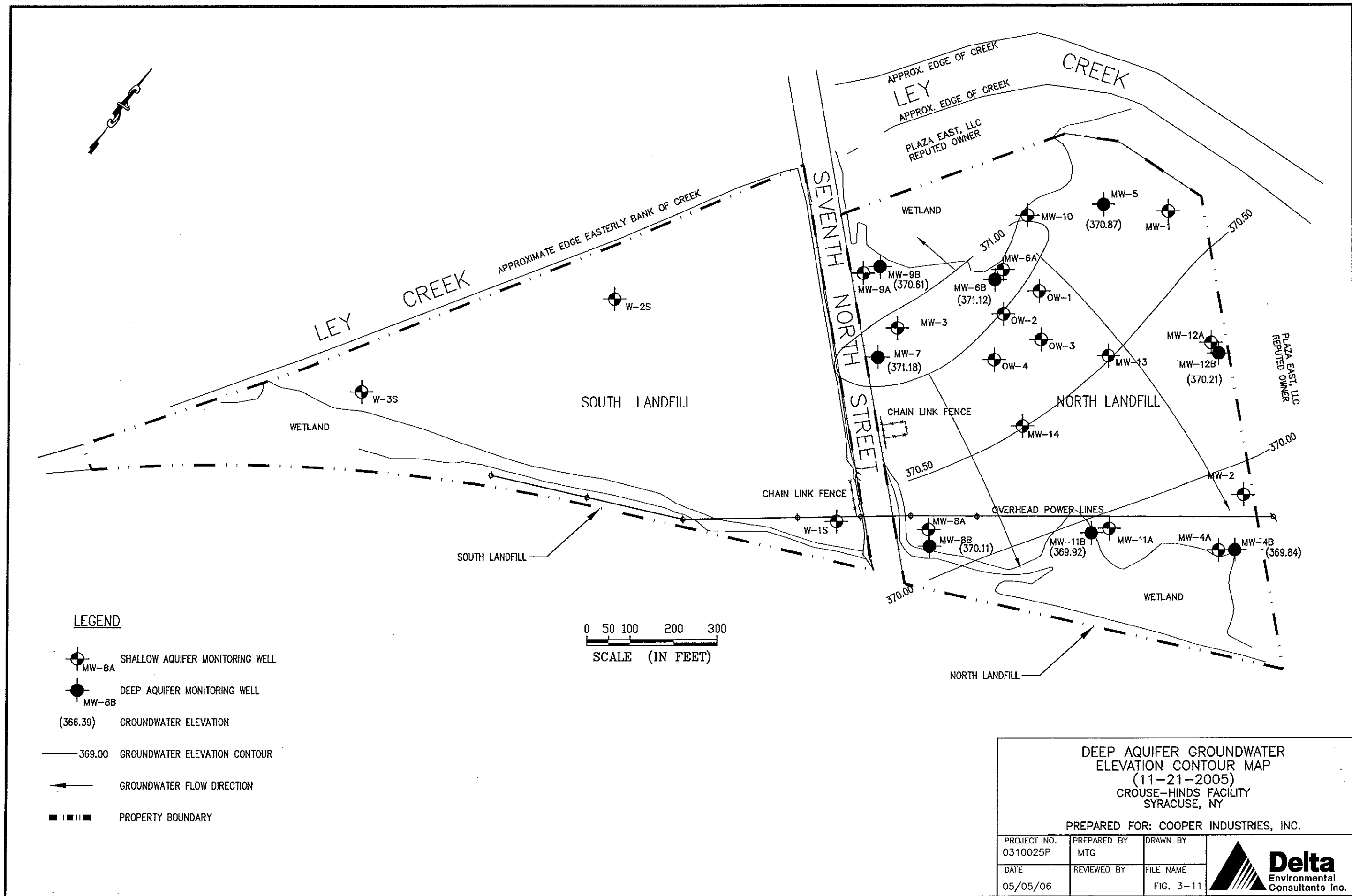
**DEEP AQUIFER GROUNDWATER
ELEVATION CONTOUR MAP
(11-23-2004)
CROUSE-HINDS FACILITY
SYRACUSE, NY**

PREPARED FOR: COOPER INDUSTRIES, INC.

PROJECT NO. 0310025P	PREPARED BY MTG	DRAWN BY	
DATE 05/04/06	REVIEWED BY	FILE NAME FIG. 3-8	







Groundwater flow conditions observed during all monitoring events were similar in the deep aquifer indicating that groundwater flow conditions in the aquifer remain relatively constant throughout the year.

3.3.3 Monitoring Well MW-6A Area Evaluation

As part of the SSA, a total of four observation wells (OW-1 to OW-4) and two test pits (TP-OW-1 and TP-OW-2) were installed in the area surrounding monitoring well MW-6A in an effort to determine the source and extent of free floating product, which has been observed in this well during the 2004 PSA and previous site investigation activities (Figure 3.1). Field observations following the installation of the test pits downgradient of well MW-6A indicated that water, which had accumulated in the test pits over a period of 24 hours, did not have any petroleum sheens or accumulation of free floating product on the water surface. Subsequent monitoring of well MW-6A and upgradient observation wells OW-1 to OW-4, on 21 November and 19 December 2005, 7 February, 1 March, and 24 March 2006 indicated that free phase petroleum product was detected in well MW-6A at thicknesses of between 0.6 feet to 0.95 feet during the monitoring events. Field observations also indicated that no sheens or free floating petroleum product was observed in any of the observation wells during the monitoring events. Based on the available monitoring data it appears that the source of free phase petroleum in well MW-6A is localized to within the immediate area of well MW-6A. The presence of an upgradient source area and downgradient impacts are not supported by the monitoring data.

3.4 ANALYTICAL RESULTS

3.4.1 Test Pit Soil Analytical Results

Analytical results for test pit soil samples are presented on Tables 3-1, 3-2, 3-3, 3-4, and 3-5. A review of the analytical data for soils collected from 38 test pits (TP-1 to TP-19, TP-21, TP-23, TP-26, TP-28, TP-30, TP-32, TP-34, TP-35, TP-38, TP-40, TP-42, TP-44, TP-45, TP-48, TP-49, TP-53, TP-55, TP-58, AND TP-OW-2) indicated the following.

TABLE 3-1
2004 Test Pit Soil Sample Analytical Results
VOCs and SVOCs
Crouse-Hinds Landfills

PARAMETER	TAGM 4046 Soil Cleanup Objectives (ppb)	SAMPLE ID / Sample Depth (feet)																			
		TP-1 (1' - 11')	TP-2 (1' - 8')	TP-3 (1' - 9.5')	TP-4 (1' - 8')	TP-5 (1' - 15')	TP-6 (0' - 11.5')	TP-7 (0' - 13')	TP-8 (0' - 3')	TP-9 (1' - 15')	TP-10A (1) (1' - 15')	TP-11 (0' - 14.5')	TP-12 (1' - 11')	TP-13 (1' - 12')	TP-14 (1' - 7')	TP-15 (1' - 9')	TP-16 (1' - 15')	TP-17 (1' - 11')	TP-18 (1' - 10.5')	TP-19 (1' - 8')	
Volatile Organic Compounds (ppb)																					
Chloroethane	1,900	ND	ND	ND	ND	ND	ND	ND	22 J	ND	ND	ND	32	ND	ND	ND	ND	ND	ND	ND	
Methylene Chloride	100	2 J	3 J	5 J	5,400 JD	ND	10 J	7 J	4 J	2 J	1 J	6 J	3 J	2 J	6 J	2 J	7 J	2 J	ND	ND	
Acetone	200	17	30	25	1,000	87	13	9 J	100 J	28	8 J	40 J	36	32	17 J	2 J	13 J	14	25	6 J	
Carbon Disulfide	2,700	3 J	ND	3 J	ND	ND	4 J	2 J	9 J	0.8 J	ND	6 J	2 J	2 J	8 J	2 J	8 J	ND	ND	7 J	
2-Butanone	300	2 J	4 J	3 J	ND	17 J	ND	2 J	8 J	4 J	ND	4 J	4 J	7 J	4 J	ND	ND	ND	ND	7 J	
Benzene	60	ND	ND	2 J	57 J	ND	4 J	1 J	ND	2 J	ND	3 J	6 J	2 J	2 J	ND	ND	5 J	ND	ND	
4-Methyl-2-Pentanone	1,000	ND	ND	ND	ND	ND	ND	ND	5 J	ND	ND	2 J	ND	ND	ND	ND	ND	ND	ND	ND	
Tetrachloroethene	1,400	ND	ND	ND	11 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	2 J	ND	ND	ND	ND	ND	
Toluene	1,500	ND	ND	3 J	120,000 D	80	4 J	2 J	8 J	2 J	ND	3 J	3 J	11 J	3 J	2 J	2 J	ND	3 J	6 J	
Chlorobenzene	1,700	ND	ND	ND	ND	ND	6 J	ND	ND	ND	ND	ND	ND	ND	21	12 J	4 J	ND	12 J	4 J	
Ethylbenzene	5,500	ND	ND	ND	15,000 D	830 D	13 J	ND	3 J	630 D	19	4 J	4 J	6 J	ND	ND	ND	9 J	ND	2 J	
Styrene	NS	ND	ND	ND	45 J	420	ND	ND	ND	7 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
1,4-Dichlorobenzene	8,500	ND	ND	ND	ND	22 J	18 J	ND	ND	ND	ND	ND	ND	ND	22	8 J	4 J	ND	13 J	5 J	
1,2-Dichlorobenzene	7,900	ND	ND	ND	ND	ND	3 J	ND	ND	2 J	ND	ND	ND	ND	22	8 J	4 J	ND	13 J	5 J	
Xylenes, Total	1,200	ND	11 J	5 J	350	260	71 J	ND	25	26	5 J	13	12 J	45	4 J	ND	ND	4 J	34	ND	
Semi-Volatile Organic Compounds (ppb)																					
Phenol	30 or MDL	ND	ND	88 J	240 J	980	1,500	1,400	2,300	3,900	930 J	1,300	2,000	110 J	ND	ND	ND	430	ND	ND	
2-Methylphenol	100 or MDL	ND	ND	91 J	84 J	760	830	440	530	170 J	800 J	830	690	81 J	ND	ND	ND	190 J	ND	ND	
4-Methylphenol	900	ND	57 J	170 J	94 J	830	940	420	300 J	210 J	990 J	1,100	820	170 J	ND	ND	ND	200 J	ND	48 J	
Nitrobenzene	200 or MDL	ND	ND	ND	3 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
Isophorone	4,400	ND	ND	ND	ND	ND	410	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
2,4-Dimethylphenol	NS	ND	ND	94 J	56 J	610	770	220 J	300 J	180 J	980 J	740	600	61 J	ND	ND	ND	120 J	ND	ND	
1,2,4-Trichlorobenzene	3,400	ND	ND	ND	ND	160 J	ND	ND	ND	ND	220 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	
Naphthalene	13,000	180 J	520	250 J	370 J	1,100	1,400	850	1,000	1,100	1,800 J	940	1,500	1,200	89 J	140 J	ND	350 J	140 J	280 J	
4-Chloroaniline	220 or MDL	ND	ND	4 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
4-Chloro-3-methylphenol	240 or MDL	ND	ND	24 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
2-Methylnaphthalene	36,400	150 J	240 J	230 J	240 J	1,200	1,600	1,100	560	620	1,400 J	850	1,300	620	ND	92 J	ND	230 J	100 J	210 J	
2,4,5-Trichlorophenol	100	ND	ND	ND	ND	ND	130 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
Acenaphthylene	41,000	ND	ND	74 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
Acenaphthene	50,000	410 J	100 J	190 J	840	200 J	460	ND	80 J	530	ND	70 J	620	610	ND	ND	ND	98 J	ND	110 J	
Dibenzofuran	6,200	ND	160 J	200 J	510	260 J	480	89 J	140 J	510	68 J	260 J	790	620	ND	ND	ND	82 J	90 J	130 J	
Fluorene	50,000	1,300 J	290 J	320 J	1,000	450	640	87 J	150 J	660	580 J	320 J	1,100	1,000	ND	100 J	ND	ND	160 J	280 J	
Phenanthrene	50,000	5,900 D	930	1,200	18,000 D	1,300	2,200 J	330 J	1,000	1,900	1,900 J	950	7,200 D	4,700 D	370 J	310 J	170 J	300 J	1,200	1,700	
Anthracene	50,000	1,200 J	180 J	260 J	4,100 JD	260 J	660 J	79 J	260 J	330 J	130 J	210 J	1,400	1,300	83 J	ND	ND	57 J	210 J	340 J	
Di-n-butylphthalate	8,100	ND	ND	ND	ND	660	ND	ND	67 J	91 J	ND	ND	ND	44 J	71 J	140 J	98 J	ND	ND	ND	
Fluoranthene	50,000	1,800 J	620	1,200	40,000 D	300 J	1,600 J	130 J	1,100	800	380 J	280 J	7,500 D	2,700	740	230 J	320 J	150 J	1,200	1,900	
Pyrene	50,000	2,300 DJ	460	2,600 J	29,000 D	700 J	2,800 DJ	100 J	1,800	750	740 J	400 J	5,800 D	3,400 D	760	460 J	620 J	120 J	2,400 J	3,000	
Butylbenzylphthalate	50,000	ND	ND	47 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	810 J	ND	
Benzo(a)anthracene	224 or MDL	700 J	170 J	630 J	14,000 D	140 J	1,100 J	ND	610	150 J	230 J	110 J	2,600 J	1,500 J	360 J	91 J	190 J	47 J	660 J	82 J	
Chrysene	400	1,000 J	230 J	960 J	17,000 D	240 J	1,100 J	53 J	670	160 J	150 J	130 J	2,700 J	1,400 J	420 J	180 J	270 J	73 J	840 J	97 J	
Bis(2-Ethylhexyl)phthalate	50,000	ND	580	1,300	820 J	1,500 J	1,200 J	100 J	350 J	510	630 J	570	3,000 J	4,900 DJ	530 J	3,600 J	4,600 J	110 J	950 J	440 J	
Di-n-oetylphthalate	50,000	ND	ND	ND	ND	ND	83 J	ND	ND	ND	ND	96 J	ND	ND	ND	ND	ND	ND	ND	ND	
Benzo(b)fluoranthene	1,100	750 J	230 J	1,200 J	20,000 D	220 J	1,500 J	41 J	1,100 J	140 J	140 J	110 J	4,000 D	1,700 J	550 J	130 J	360 J	71 J	1,000 J	93 J	
Benzo(k)fluoranthene	1,100	310 J	72 J	330 J	7,500 JD	76 J	470 J	ND	300 J	ND	ND	ND	1,200 J	640 J	200 J	59 J	130 J	ND	330 J	660 J	
Benzo(a)pyrene	61 or MDL	460 J	150 J	770 J	12,000 D	140 J	970 J	ND	590 J	88 J	43 J	53 J	2,300 J	1,000 J	340 J	84 J	200 J	ND	710 J	1,000 J	
Indeno(1,2,3-cd)pyrene	3,200	190 J	54 J	380 J	3,800 JD	58 J	480 J	ND	250 J	ND	ND	ND	1,300 J	420 J	140 J	ND	130 J	ND	310 J	450 J	
Dibenz(a,h)anthracene	14 or MDL	ND	ND	150 J	1,400 J	54 J	170 J	ND	130 J	ND	ND	ND	410 J	150 J	ND	ND	ND	ND	150 J	170 J	
Benzo(g,h,i)perylene	50,000	360 J	50 J	390 J	3,500 JD	100 J	530 J	ND	300 J	ND	ND	45	1,200 J	410 J	140 J	58 J	150 J	ND	340 J	430 J	

Notes:

ND: Compound not detected.

NS: No Standard.

MDL: Method Detection Limit.

J: Estimated Value.

D: Identified in analysis at secondary dilution factor.

(1): Sample TP-10A is a duplicate of TP-10.

1,200 Analyte detected at concentration in excess of NYSDEC TAGM 4046 recommended soil cleanup objective.

TABLE 3-2
2004 Test Pit Soil Sample Analytical Results
Pesticides, PCBs and Metals
Crouse-Hinds Landfills

PARAMETER	TAGM 4046 Soil Cleanup Objectives (ppb)	SAMPLE ID / Sample Depth (feet)																			
		TP-1 (1' - 11')	TP-2 (1' - 8')	TP-3 (1' - 9.5')	TP-4 (1' - 8')	TP-5 (1' - 15')	TP-6 (0' - 11.5')	TP-7 (0' - 13')	TP-8 (0' - 3')	TP-9 (1' - 15')	TP-10 (1' - 15')	TP-10A (4) (1' - 15')	TP-11 (0' - 14.5')	TP-12 (1' - 11')	TP-13 (1' - 12')	TP-14 (1' - 7')	TP-15 (1' - 9')	TP-16 (1' - 15')	TP-17 (1' - 11')	TP-18 (1' - 10.5')	TP-19 (1' - 8')
Pesticides (ppb)																					
beta-BHC	200	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.9 JP	ND	ND	ND	3.6	ND	ND	ND
gamma-BHC (Lindane)	60	ND	0.8 JP	13 PJ	ND	1.1 JP	ND	ND	ND	ND	ND	10 PJ	ND	ND	3 JP	12 J	36	ND	14 PJ	8.9 PJ	ND
Heptachlor	100	ND	ND	ND	ND	ND	ND	ND	ND	2.3 PJ	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aldrin	41	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	11 PJ	ND
Heptachlor epoxide	20	ND	ND	ND	ND	ND	ND	ND	ND	3.8 PJ	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Endosulfan I	900	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dieldrin	44	32 PJ	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	5.7 JP	32 J	ND	ND	5.3 JP	20 J	ND
4,4'-DDE	2,100	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	17 PJ	2.2 JP	ND	ND	15 PJ	ND	5.4 J	ND	ND
Endrin aldehyde	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	9.8 J	5.9 JP	ND	ND	ND	6.1 PJ
PCBs (ppb)																					
Aroclor 1254	10,000 (1)	970 DJ	ND	540 DJ	ND	ND	ND	45 PJ	960 DJ	85	ND	ND	ND	280 DJ	340 D	770 J	700 D	100	370 DJ	1,200 DJ	250 DJ
Aroclor 1260	10,000 (1)	150 J	ND	130 J	440 JD	2,700 DJ	ND	32 J	220 J	36 J	150 J	520 DJ	ND	71 J	160 J	210 J	150 J	ND	84 J	350 J	67 J
Total PCBs (ppb)	10,000 (1)	1,120	ND	670	440	2,700	ND	77	1,180	121	150	520	ND	351	500	980	850	100	454	1,550	317
Metals (ppm)	TAGM 4046 Soil Cleanup Objective (ppm)																				
Selenium	2 or SB	0.81 B	1.3	ND	ND	0.48 B	ND	0.37 B	0.52 B	0.39 B	ND	0.48 B	ND	1 B	2.2	2	ND	0.48 B	1.7 B	0.73 B	0.43 B
Mercury	0.1	ND	0.037	0.1	0.084	ND	ND	ND	ND	ND	ND	ND	ND	0.24	0.44	0.44	0.26	ND	1.1	0.46	0.11
Arsenic	7.5 or SB	6.7	18.9	8	2.3 B	3.8	5	6.7	21.6	1.7	3.8	3.5	3.5	7.8	9.6	15.2	11.4	6.4	8.8	8.6	8.2
Barium	300 or SB	62.5	50.5	68.8	67	58.5	58.1	68.5	128	97.4	37.5 B	36.5 B	27.9 B	88.1	189	160	118	42.7 B	166	183	57.5
Beryllium	0.16 or SB	0.3 B	0.45 B	0.25 B	1 B	0.47 B	0.33 B	0.5 B	0.66 B	0.8 B	0.43 B	0.45 B	0.29 B	0.32 B	0.3 B	0.28B	0.22 B	0.57 B	0.64 B	ND	0.47 B
Cadmium	1 or SB	1.7	4	26.7	3.9	ND	1 B	ND	1,200	3.5	0.11 B	0.45 B	ND	8.2	9.5	70.2	1.1 B	ND	46.8	5.1	19
Chromium	10 or SB	7.5 *	11.8 *	30.9 *	101 *	24.4 *	17 *	41.2 *	91.3 *	13.7 *	21.1 *	13.1 *	9.7 *	34.4 *	28.3 *	119 *	32.7 *	24.4 *	34.8 *	53.2 *	57.5 *
Cobalt	30 or SB	2.6 B	5 B	3.9 B	3.4 B	2.7 B	5.5 B	5.2 B	11.1 B	1.9 B	2 B	1.9 B	1.8 *	3.9 B	7.3 B	12.4 B	10.9 B	4.1 B	6.9 B	4.9 B	5 B
Copper	25 or SB	519 NJ	109 NJ	316 NJ	215 NJ	30 NJ	50 NJ	39.7 NJ	1,720 NJ	12.3 NJ	33.1 NJ	49.1 NJ	46.7 NJ	255 NJ	61.9 NJ	109 NJ	86.4 NJ	44.5 NJ	113 NJ	173 NJ	1,980 BNJ
Iron	2,000 or SB	11,000 *	16,900 *	22,600 *	30,500	17,500 *	14,100 *	50,500 *	86,100 *	6,840 *	14,400 *	9,750 *	11,800 *	27,400 *	34,400 *	95,800 *	55,800 *	23,200 *	26,100 *	35,300 *	23,900 *
Lead	SB (2)	36.7 EJ	36.3 EJ	88.3 EJ	80.8 EJ	36.8 EJ	50.3 EJ	52.6 EJ	335 EJ	68.4 EJ	61.8 EJ	142 EJ	45.2 EJ	76.8 EJ	44.3 EJ	234 EJ	214 EJ	45.8 EJ	43 EJ	379 EJ	151 EJ
Nickel	13 or SB	8 B	15.8	17.1	28.2	15.5	15	28.6	64.5	4 B	12.3	7.5 B	11.8	20.5	18.9	36.4	34.1	26.2	29.5	19.5	19.7
Silver	SB	ND	ND	ND	ND	ND	ND	ND	ND	0.62 BN	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Vandium	150 or SB	7.6 B	13.4	12.1 B	14.4	8.1 B	9.7 B	5.9 B	27.1 B	4.8 B	6.3 B	4.8 B	4.4 B	11.3 B	17.9 B	15.1 B	6.5 B	9.9 B	20.1	11.3 B	18
Zinc	20 or SB	282 NR	320 NR	646 NR	469 NR	166 NR	90.6 NR	86.3 NR	2,280 NR	147 R	178 NR	215 NR	149 NR	278 NR	271 NR	1,320 NR	368 NR	41.5 NR	920 NR	631 NR	526 NR
Total Cyanide	NS (3)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	107

Notes:
 ND: Compound not detected. NS: No Standard. MDL: Method Detection Limit. SB: Site Background.

(1): Cleanup objective for subsurface soils.

(2): Background levels for lead vary widely. Average levels in undeveloped, rural areas may range from 4-61 ppm. Average background levels in metropolitan or suburban areas or near highways are much higher and typically range from 200-500 ppm.

(3): Some forms of Cyanide are complex and very stable while other forms are pH dependent and hence are very unstable. Site-specific form(s) of Cyanide should be taken into consideration when establishing soil cleanup objective.

(4): Sample TP-10A is a duplicate of TP-10.

1.200

Analyte detected at concentration in excess of NYSDEC TAGM 4046 recommended soil cleanup objective.

Organic Data Qualifiers:

J: Estimated Value.

D: Identified in analysis at secondary dilution factor.

P: Used for pesticide/Aroclor target analyte when there is 25% difference for detected concentrations between the two GC columns. The lower of the two values is reported and flagged.

Inorganic Data Qualifiers:

E: Estimated value due to interferences.

J or B: Value greater than or equal to the instrument detection limit, but less than the quantitation limit.

N: Spike sample recovery not within quality control limits.

*: Analysis is not within quality control limits.

R: Data validation rejected data.

TABLE 3-3
2004 Test Pit Soil Sample Analytical Results
Waste Characterization Analyses
Crouse-Hinds Landfills

PARAMETER	Maximum Concentration of Contaminants for the Toxicity Characteristic (ppb)	SAMPLE ID / Sample Depth (feet)									
		TP-5-WC (1' - 15')	TP-6-WC (0' - 11.5')	TP-7-WC (0' - 13')	TP-8-WC (0' - 3')	TP-9-WC (1' - 15')	TP-10-WC (1' - 15')	TP-13-WC (1' - 12')	TP-14-WC (1' - 7')	TP-16-WC (1' - 15')	TP-17-WC (1' - 11')
Volatile Organic Compounds (ppb)											
Vinyl Chloride	200	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethene	700	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Butanone	200,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chloroform	6,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Carbon Tetrachloride	500	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzene	500	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloroethane	500	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Trichloroethene	500	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Tetrachloroethene	700	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chlorobenzene	100,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Semi-Volatile Organic Compounds (ppb)											
Pyridine	5,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	7,500	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Methylphenol (o-cresol)	200,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Hexachloroethane	3,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-Methylphenol (m/p-cresol)	200,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Nitrobenzene	2,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Hexachlorobutadiene	500	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,4,6-Trichlorophenol	2,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,4,5-Trichlorophenol	400,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,4-Dinitrotoluene	130	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Hexachlorobenzene	130	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Pentachlorophenol	100,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Metals (ppb)											
Arsenic	5,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Barium	100,000	631	ND	ND	940	ND	ND	478	884	ND	660
Cadmium	1,000	ND	ND	ND	215	69.3	ND	ND	340	ND	46.6
Chromium	5,000	26.5	ND	20.1	ND	27.5	32.8	ND	ND	ND	ND
Lead	5,000	ND	ND	ND	ND	413	ND	ND	ND	ND	ND
Mercury	200	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Selenium	1,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Silver	5,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Pesticides/Herbicides (ppb)											
gamma-BHC (Lindane)	400	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Heptachlor	8	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Heptachlor epoxide	8	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Endrin	20	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methoxychlor	10,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Toxaphene	500	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Technical Chlordane	30	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,4-D	10,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,4,5-TP (Silvex)	1,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Other											
Ignitability (Flashpoint) F°	≤140 F°	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200
Corrosivity (pH Solid)	≤ 2 or 12.5 ≥	9.37	8.27	10.18	9.28	8.88	9.13	7.69	7.70	8.21	7.20
H2S (mg/kg)	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
HCN (mg/kg)	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

Notes:

ND: Compound not detected.

NS: No Standard.

1,200 Analyte detected at concentration in excess of Maximum Concentration for the Toxicity Characteristic.

TABLE 3-4
2005 Test Pit Soil Sample Analytical Results
VOCs and SVOCs
Crouse-Hinds Landfills

PARAMETER	TAGM 4046 Soil Cleanup Objectives (ppb)	SAMPLE ID / Sample Depth (feet)																			
		TP-21 (2' - 13')	TP-23 (2' - 7')	TP-26 (1' - 6.5')	TP-28 (4.5' - 13.5')	TP-30 (3' - 11')	TP-32 (1' - 12')	TP-34 (2' - 6')	TP-35 (1' - 8')	TP-OW-2 (1' - 8')	TP-38 (2' - 16')	TP-40 (1' - 11')	TP-42 (6' - 15')	TP-44 (7' - 9')	TP-45 (2' - 5')	TP-45-1(1) (2' - 5')	TP-48 (1' - 5.5')	TP-49 (2' - 4')	TP-53 (1' - 6')	TP-55 (2' - 13.5')	TP-58 (1' - 12')
Volatile Organic Compounds (ppb)																					
Chloromethane	NS	ND	ND	ND	ND	ND	4 J	5 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chloroethane	1,900	ND	ND	ND	2 J	ND	2 J	4 J	ND	4 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methylene Chloride	100	ND	ND	ND	ND	ND	5 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acetone	200	31	170	16	36	ND	17	13	ND	110	86	110	730 D	150	120	72	350 D	210	75	240	14
Carbon Disulfide	2,700	2 J	ND	ND	ND	ND	ND	ND	ND	ND	1 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Butanone	300	8 J	55	ND	7 J	ND	5 J	ND	ND	40	11	32	190 J	56	37	24	57	75 J	27	66	ND
Benzene	60	ND	ND	ND	3 J	ND	4 J	2 J	ND	2 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Toluene	1,500	2 J	ND	ND	ND	ND	2 J	ND	2,600	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chlorobenzene	1,700	ND	ND	ND	9 J	2,100	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Ethylbenzene	5,500	ND	ND	ND	ND	ND	16	ND	13,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Styrene	NS	ND	ND	ND	ND	ND	ND	ND	800 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Xylenes, Total	1,200	4 J	ND	ND	ND	ND	6 J	ND	4,000	4 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dichlorodifluoromethane	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	1 J	3 J	4 J	ND	5 J	ND	ND	ND	ND	3 J	ND
Cyclohexane	NS	4 J	ND	ND	ND	ND	7 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methyleyclohexane	NS	17	2 J	ND	2 J	ND	2 J	ND	35	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Isopropylbenzene	2,300	ND	ND	ND	11 J	ND	5 J	ND	590 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	8,500	ND	ND	ND	9 J	400 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Semi-Volatile Organic Compounds (ppb)																					
Benzaldehyde	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	200 J	ND	ND	ND	ND	ND	ND	ND
Phenol	30 or MDL	ND	ND	60 J	ND	ND	ND	490	440 J	440 J	ND	ND	ND	ND	ND	ND	180 J	ND	ND	ND	ND
2-Chlorophenol	800	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	170 J	ND	ND	ND	ND
2-Methylphenol	100 or MDL	ND	ND	89 J	ND	ND	ND	380 J	1,100 J	280 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-Methylphenol	900	55 J	ND	170 J	ND	32 J	ND	300 J	940 J	290 J	ND	ND	ND	ND	39 J	ND	ND	ND	ND	ND	ND
2,4-Dimethylphenol	NS	ND	ND	130 J	ND	ND	ND	470	1,000 J	320 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Naphthalene	13,000	790 DJ	57 J	160 J	100 J	51 J	ND	700	1,100 J	450 J	86 J	320 J	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-Chloro-3-methylphenol	240 or MDL	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	190 J	ND	ND	ND	ND
2-Methylnaphthalene	36,400	1,100	41 J	110 J	230 J	73 J	980 J	740	1,400 J	430 J	76 J	230 J	ND	ND	ND	ND	190 J	ND	ND	ND	ND
Biphenyl	NS	240 J	ND	ND	ND	ND	ND	170 J	ND	88 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acenaphthylene	41,000	1,400	160 J	620 J	56 J	ND	ND	ND	ND	260 J	12 J	570 J	200 J	ND	94 J	100 J	ND	290 J	ND	ND	ND
Acenaphthene	50,000	740 DJ	40 J	280 J	64 J	ND	ND	170 J	540 J	170 J	17 J	190 J	ND	ND	ND	ND	140 J	ND	ND	ND	ND
Dibenzofuran	6,200	390 J	33 J	ND	68 J	ND	ND	140 J	400 J	160 J	19 J	160 J	ND	ND	ND	ND	ND	ND	ND	ND	ND
Diethyl phthalate	7,100	ND	ND	ND	ND	10 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Fluorene	50,000	1,700 DJ	78 J	630 DJ	120 J	12 J	820 J	130 J	1,300 J	460 J	35 J	460 J	170 J	ND	29 J	ND	ND	140 J	ND	ND	ND
N-nitrosodiphenylamine	NS	ND	ND	ND	81 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Phenanthrene	50,000	10,000 D	500 J	1300 DJ	630	80 J	2,300 J	ND	4,000 J	1,600	200 J	3,600 J	1,300 J	63 J	300 J	260 J	240 J	580 J	160 J	140 J	140 J
Anthracene	50,000	1,700	140 J	490 DJ	140 J	18 J	620 J	ND	1,200 J	380 J	26 J	860 J	370 J	ND	76 J	ND	ND	210 J	ND	ND	ND
Carbazole	NS	440 J	69 J	ND	48 J	ND	700 J	ND	ND	81 J	ND	250 J	130 J	ND	40 J	ND	ND	ND	ND	ND	ND
Di-n-butylphthalate	8,100	80 J	ND	ND	75 J	27 J	710 J	ND	1,300 J	360 J	36 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Fluoranthene	50,000	14,000 D	880	3,100 DJ	690 DJ	110 J	1,100 J	ND	1,700 J	1,100	120 J	4,400 J	1,900 J	130 J	580 J	600 J	500 J	600 J	410 J	250 J	160 J
Pyrene	50,000	14,000 D	710 J	2,800 DJ	520 J	87 J	1,200 J	ND	1,700 J	940	110 J	4,000 J	1,500 J	96 J	490 J	440 J	540 J	730 J	300 J	190 J	110 J
Benzo(a)anthracene	224 or MDL	4,800 DJ	460 J	1,500 J	280 J	54 J	ND	ND	390 J	440 J	45 J	2,200 J	870 J	64 J	290 J	280 J	220 J	260 J	200 J	ND	ND
Chrysene	400	6,200 DJ	500 J	1,500 J	290 J	58 J	ND	ND	650 J	480 J	64 J	2,200 J	900 J	65 J	310 J	320 J	260 J	370 J	190 J	150 J	66 J
Bis(2-Ethylhexyl)phthalate	50,000	16,000 BD	ND	ND	5,300 BD	ND	ND	770 B	9,500 B	900 B	1,400 B	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Di-n-octylphthalate	50,000	ND	ND	ND	58 J	ND	ND	120 J	700 J	180 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo(b)fluoranthene	1,100	6,200	710 J	2,800 J	380 J	78 J	ND	610	920 J	820	58 J	2,400 J	1,200 J	120 J	440 J	400 J	360 J	440 J	310 J	200 J	ND
Benzo(k)fluoranthene	1,100	2,300 DJ	300 J	850 J	160 J	26 J	ND	660	1,000 J	860	21 J	680 J	300 J	110 J	120 J	ND	ND	170 J	ND	ND	ND
Benzo(a)pyrene	61 or MDL	4,200 DJ	520 J	1,600 J	260 J	45 J	ND	190 J	200 J	350 J	35 J	2,000 J	860 J	66 J	320 J	340 J	260 J	290 J	240 J	130 J	ND
Indeno(1,2,3-cd)pyrene	3,200	2,700 DJ	330 J	2,800 J	180 DJ	20 J	ND	110 J	ND	150 J	26 J	1,200 J	550 J	41 J	230 J	250 J	190 J	250 J	180 J	110 J	ND
Dibenzo(a,h)anthracene	14 or MDL	970	97 J	790 J	39 J	ND	ND	29 J	ND	48 J	ND	370 J	160 J	ND	67 J	ND	ND	120 J	ND	ND	ND
Benzo(g,h,i)perylene	50,000	3,200 DJ	340 J	3,900 J	240 DJ	25 J	ND	140 J	170 J	170 J	33 J	1,500 J	700 J	47 J	260 J	260 J	230 J	320 J	180 J	120 J	ND

Notes:

ND: Compound not detected.

NS: No Standard.

MDL: Method Detection Limit.

J: Estimated Value.

D: Identified in analysis at secondary dilution factor.

B: Analyte detected in associated blank as well

(1): Sample TP-45-1 is a duplicate of TP-45.

1,200 Analyte detected at concentration in excess of NYSDEC TAGM 4046 recommended soil cleanup objective.

TABLE 3-5
2005 Test Pit Soil Sample Analytical Results
Metals
Crouse-Hinds Landfills

PARAMETER	TAGM 4046 Soil Cleanup Objectives (ppb)	SAMPLE ID / Sample Depth (feet)																			
		TP-21 (2' - 13')	TP-23 (2' - 7')	TP-26 (1' - 6.5')	TP-28 (4.5' - 13.5')	TP-30 (3' - 11')	TP-32 (1' - 12')	TP-34 (2' - 6')	TP-35 (1' - 8')	TP-OW-2 (1' - 8')	TP-38 (2' - 16')	TP-40 (1' - 11')	TP-42 (6' - 15')	TP-44 (7' - 9')	TP-45 (2' - 5')	TP-45-1(1) (2' - 5')	TP-48 (1' - 5.5')	TP-49 (2' - 4')	TP-53 (1' - 6')	TP-55 (2' - 13.5')	TP-58 (1' - 12')
Metals (ppm)																					
Arsenic	7.5 or SB	31.1 J	14.8 J	8.4 J	3.6 J	5.8 J	3 J	1.8 J	5.1 J	4.3 J	4 *	4.6 *	10 *J	13.9 *J	9.3 *J	8.0 *J	6.6 *J	6.1 *	15.8 *J	9.9 *J	1.6 *
Beryllium	0.16 or SB	1.2 J	0.59 BJ	0.82 BJ	0.34 B	0.39 B	0.87	0.49 B	0.62 B	0.82 B	0.19 B	0.73	0.39 BJ	0.23 BJ	0.76 BJ	0.47 BJ	0.73 BJ	0.78 B	0.8 BJ	0.92 BJ	0.64
Cadmium	1 or SB	68 J	126 J	6.3 J	0.75 BJ	0.33 BJ	3.1 J	0.38 BJ	1.1 J	3.2 J	2.2 N*J	20.3 N*J	11.2 N*J	2.2 N*J	6 N*J	8.5 N*J	3 N*J	867 N*J	53 N*J	6.2 N*J	1.6 N*J
Chromium	10 or SB	1,560 J	26 J	293 J	39.8 J	8.9 J	34.2 J	18.2 J	107 J	74.7 J	16 N*J	24.6 N*J	36.4 N*J	38.6 N*J	41.2 N*J	46.7 N*J	37 N*J	1170 N*J	60.4 N*J	29.3 N*J	10.3 N*J
Copper	25 or SB	90.4 J	188 J	12,900 J	43.8 J	20.6 J	50.3 J	21 J	114 J	95.4 J	789 N*J	518 N*J	56.3 N*J	68.2 N*J	86.9 N*J	94 N*J	53.5 N*J	92.4 N*J	101 N*J	56.6 N*J	75.5 N*J
Lead	SB (2)	143 J	43.6 J	621 J	78.2 J	109 J	59.6 J	17.3 J	40.7 J	26.4 J	29.4 N*J	59 N*J	25.2 N*J	14 N*J	32.4 N*J	38.8 N*J	20.1 N*J	132 N*J	219 N*J	98.4 N*J	11.8 N*J
Nickel	13 or SB	15.6 EJ	34.3 EJ	204 EJ	24 EJ	19 EJ	11.9 EJ	9.6 EJ	60.7 EJ	44.8 EJ	20.1	17.2	14.9 J	18.8 J	24.7 J	25.6 J	19.8 J	98.1	38.8 J	15.1 J	6.2
Mercury	0.1	0.974 N*J	0.850 N*J	0.492 N*J	0.222 N*J	0.025 N*J	0.01 BNJ	0.011 BN*J	0.005 N*J	0.051 N*J	0.02 NJ	0.183 NJ	0.314 NJ	0.195 NJ	0.677 NJ	0.494 NJ	0.277 NJ	0.826 NJ	1.8 NJ	2 NJ	0.069 NJ
Zinc	20 or SB	33,600 J	2,720 J	7,510 J	196 J	74.1 J	337 J	78.1 J	316 J	216 J	117 N*J	819 J	394 N*J	51.5 N*J	171 N*J	215 N*J	50.1 N*J	2770 N*J	866 N*J	113 N*J	43.7 N*J

Notes:

SB: Site Background.

NS: No Standard.

MDL: Method Detection Limit.

(1): Sample TP-45-1 is a duplicate of TP-45.

(2): Background levels for lead vary widely. Average levels in undeveloped, rural areas may range from 4-61 ppm. Average background levels in metropolitan or suburban areas or near highways are much higher and typically range from 200-500 ppm.

1.200

Analyte detected at concentration in excess of NYSDEC TAGM 4046 recommended soil cleanup objective.

Inorganic Data Qualifiers:

E: Estimated value due to interferences.

B: Value greater than or equal to the instrument detection limit, but less than the quantitation limit.

N: Spike sample recovery not within quality control limits.

*: Analysis is not within quality control limits.

J: Estimated value flagged in data validation.

- VOCs were detected in seven test pit samples (TP-4, TP-30, TP-35, TP-42, TP-48, TP-49, and TP-55) at concentrations in excess of NYSDEC TAGM 4046 recommended soil cleanup objectives. Elevated concentrations of VOCs detected in the samples from test pits TP-4 and TP-35 correlated with observations and field screening data (staining, odors, elevated PID readings), which indicated the presence of significant impacts in fill material in these test pits. In other test pits where VOC concentrations were detected in excess of the cleanup objectives there were observed impacts; however, they were lesser in degree versus those encountered in test pits TP-4 and TP-35. VOCs were detected in all of the remaining test pit samples at minimal concentrations that were below soil cleanup objectives. Concentrations of VOCs detected in test pit soils showed no discernible pattern of distribution across the Site.
- A minimum of one SVOC was detected in all test pit samples, with the exception of five samples (TP-18, TP-30, TP-32, TP-38, and TP-58) at concentrations in excess of TAGM 4046 recommended soil cleanup objectives. SVOCs were detected in samples TP-18, TP-30, TP-32, TP-38, and TP-58, but at concentrations below soil cleanup objectives. Phenolic compounds were detected in samples from test pits TP-3 to TP-12, TP-16, TP-21, TP-26, TP-30, TP-34, TP-35, TP-OW-2, TP-45, and TP-48. These test pits generally contained industrial fill and foundry sand. Samples from test pits which contained mainly municipal fill (TP-13 to TP-15, TP-17 and TP-18) did not contain phenolic compounds. In addition, samples collected from test pits where industrial fill was present (TP-1 to TP-12, TP-16, TP-21, TP-23, TP-26, TP-28, TP-30, TP-32, TP-34, TP-35, TP-OW-2, TP-38, TP-40, TP-42, TP-44, TP-46, TP-48, TP-53, TP-55, and TP-58) generally contained higher concentrations of SVOCs with respect to samples from test pits where municipal fill was mainly present. The distribution of higher concentrations of SVOCs in the test pit samples appears to be related to the presence of industrial fill containing foundry sand and degraded oils.
- Pesticides were detected in test pit samples TP-1 to TP-3, TP-5, TP-9, and TP-11 to TP-19 at concentrations below TAGM 4046 recommended soil cleanup objectives. Concentrations of pesticides detected were minimal and showed no discernible pattern of distribution across the Site.

- PCBs were detected in test pit samples TP-1, TP-3 to TP-5, TP-7 to TP-10, and TP-11 to TP-19.. Where detected, PCBs were present at concentrations below TAGM 4046 recommended soil cleanup objectives. No discernable pattern of distribution across the Site was observed.
- A minimum of three metals were detected in all test pit samples at concentrations in excess of TAGM 4046 recommended soil cleanup objectives. No discernable pattern of distribution across the Site was observed.
- Cyanide was detected in only one test pit sample (TP-19). However, since there is no established TAGM 4046 recommended soil cleanup objective for cyanide, an evaluation of the impact to the Site could not be made.
- Waste characterization analytical data for 10 soil samples collected from test pits (TP-5WC to TP-10WC, TP-13WC, TP14WC, TP-16WC AND TP-17WC) indicated that VOCs, SVOCs, pesticides, and herbicides were not detected. Several metals including, barium, chromium, cadmium, and lead were detected in eight of the ten samples; however, concentrations were below the maximum concentration of contaminants for the toxicity characteristic as defined by USEPA. Additional characterization analyses performed on the samples, which included flash point, corrosivity and reactivity indicated that the samples did not exhibit hazardous characteristics. Since the soil samples did not exhibit hazardous characteristics and because concentrations of contaminants detected (metals) were below the maximum concentrations for the toxicity characteristic, all of the soils and materials tested are classified as characteristically non-hazardous.

3.4.2 *Surface Soil Analytical Results*

Analytical results for surface soil samples are presented on Tables 3-6 and 3-7. A review of the analytical data for surface soils collected at 10 locations (SS-1 to SS-10) across the Site indicated the following.

- VOCs were detected in all samples; however, concentrations were below TAGM
- 4046 recommended soil cleanup objectives. Concentrations of VOCs detected in

TABLE 3-6
2004 Surface Soil Sample Analytical Results
VOCs and SVOCs
Crouse-Hinds Landfills

PARAMETER	TAGM 4046 Soil Cleanup Objectives (ppb)	SAMPLE ID / Sample Depth (feet)									
		SS-1 (0' - 0.5')	SS-2 (0' - 0.5')	SS-3 (0' - 0.5')	SS-4 (0' - 0.5')	SS-5 (0' - 0.5')	SS-6 (0' - 0.5')	SS-7 (0' - 0.5')	SS-8 (0' - 0.5')	SS-9 (0' - 0.5')	SS-10 (0' - 0.5')
Volatile Organic Compounds (ppb)											
Methylene Chloride	100	ND	ND	2 J	ND	19	2 J	2 J	23 J	42	21 J
Acetone	200	25	3 J	27	70	12 J	13 J	6 J	3 J	36	16 J
Carbon Disulfide	2,700	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chloroform	300	ND	ND	ND	ND	ND	ND	ND	2 J	2 J	ND
2-Butanone	300	ND	ND	ND	12 J	ND	ND	ND	ND	ND	ND
Toluene	1,500	ND	ND	ND	ND	ND	3 J	ND	ND	ND	ND
Semi-Volatile Organic Compounds (ppb)											
Phenol	30 or MDL	ND	ND	ND	ND	ND	2,000	72 J	280 J	ND	200 J
2-Methylphenol	100 or MDL	ND	ND	ND	ND	ND	690	96 J	54 J	ND	110 J
4-Methylphenol	900	ND	ND	ND	95 J	ND	410 J	140 J	ND	ND	87 J
2,4-Dimethylphenol	NS	ND	ND	ND	ND	ND	320 J	ND	ND	ND	38 J
Naphthalene	13,000	ND	ND	ND	100 J	130 J	2,100	250 J	290 J	64 J	290 J
2-Methylnaphthalene	36,400	ND	ND	ND	150 J	160 J	3,000	270 J	250 J	67 J	380 J
Acenaphthylene	41,000	ND	ND	ND	ND	46 J	ND	ND	ND	ND	ND
Dimethylphthalate	2,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	420
Acenaphthene	50,000	ND	ND	ND	ND	46 J	130 J	ND	ND	ND	ND
Dibenzofuran	6,200	ND	ND	ND	ND	84 J	340 J	94 J	57 J	ND	100 J
Fluorene	50,000	ND	ND	ND	ND	ND	190 J	51 J	ND	ND	ND
Phenanthrene	50,000	730	180 J	100 J	950	1,000	1,500	610 J	200 J	460	470
Anthracene	50,000	150 J	ND	ND	160 J	220 J	380 J	120 J	ND	82 J	87 J
Di-n-butylphthalate	8,100	ND	ND	ND	ND	ND	ND	ND	56 J	60 J	110 J
Fluoranthene	50,000	1,600	300 J	180 J	1,600	1,200	860	580	92 J	830	220 J
Pyrene	50,000	1,700	300 J	170 J	4,300 J	1,500	1,400	1,100 J	180 J	1,800 J	560 J
Butylbenzylphthalate	50,000	ND	ND	ND	160 J	ND	ND	ND	ND	ND	ND
Benzo(a)anthracene	224 or MDL	810	140 J	71 J	1,200 J	640	450 J	330 J	ND	540 J	180 J
Chrysene	400	950	160 J	110 J	1,600 J	760	460	400 J	73 J	680 J	220 J
Bis(2-Ethylhexyl)phthalate	50,000	150 J	71 J	95 J	450 J	120 J	690	700 J	160 J	160 J	220 J
Di-n-octylphthalate	50,000	ND	ND	ND	ND	ND	79 J	ND	ND	ND	ND
Benzo(b)fluoranthene	1,100	1,200	200 J	130 J	3,000 J	980	500 J	530 J	93 J	1,100 J	330 J
Benzo(k)fluoranthene	1,100	500 J	72 J	54 J	1,100 J	280 J	190 J	160 J	ND	430 J	100 J
Benzo(a)pyrene	61 or MDL	810	130 J	82 J	1,700 J	620	350 J	310 J	50 J	680 J	180 J
Indeno(1,2,3-cd)pyrene	3,200	350 J	57 J	ND	940 J	320 J	150 J	170 J	ND	310 J	110 J
Dibenz(a,h)anthracene	14 or MDL	120 J	ND	ND	400 J	120 J	57 J	77 J	ND	120 J	ND
Benzo(g,h,i)perylene	50,000	330 J	52 J	ND	910 J	340 J	150 J	150 J	ND	330 J	130 J

Notes:

ND: Compound not detected.

NS: No Standard.

MDL: Method Detection Limit.

J: Estimated Value.

1,200

Analyte detected at concentration in excess of NYSDEC TAGM 4046 recommended soil cleanup objective.

TABLE 3-7
2004 Surface Soil Sample Analytical Results
Pesticides, PCBs and Metals
Crouse-Hinds Landfills

PARAMETER	TAGM 4046 Soil Cleanup Objectives (ppb)	SAMPLE ID / Sample Depth (feet)									
		SS-1 (0' - 0.5')	SS-2 (0' - 0.5')	SS-3 (0' - 0.5')	SS-4 (0' - 0.5')	SS-5 (0' - 0.5')	SS-6 (0' - 0.5')	SS-7 (0' - 0.5')	SS-8 (0' - 0.5')	SS-9 (0' - 0.5')	SS-10 (0' - 0.5')
Pesticides (ppb)											
beta-BHC	200	ND	1.2 J	1.6 J	ND	ND	ND	ND	ND	ND	ND
4,4'-DDE	2,100	9.7 PJ	2 J	ND	ND	ND	ND	ND	ND	ND	ND
4,4'-DDT	2,100	ND	ND	8.1 J	ND	ND	ND	ND	ND	ND	ND
PCBs (ppb)											
Aroclor 1242	(see total)	190 PJ	14 JP	29	ND	ND	ND	ND	ND	ND	ND
Aroclor 1254	(see total)	980 DJ	21 J	73	ND	ND	ND	ND	18 J	56	ND
Aroclor 1260	(see total)	340 DJ	13 J	49	260	ND	ND	22 JP	30 J	130	ND
Total PCBs	1,000 (1)	1,510	48	151	260	ND	ND	22	48	186	ND
Metals (ppm)	TAGM 4046 Soil Cleanup Objective (ppm)										
Selenium	2 or SB	1.2 B	ND	ND	0.79 BJ	0.63 B	ND	ND	ND	0.61 BW	ND
Mercury	0.1	0.24	0.093	0.12	0.4 J	0.26	ND	0.099	ND	0.089	ND
Arsenic	7.5 or SB	6.1	2.7 B	8	5.1 J	2.6 B	0.92 B	1.3 B	3.4	12.4	ND
Barium	300 or SB	114	105	141	424 J	99.6	22 B	43.1 B	63.7	90.7	91.9
Beryllium	0.16 or SB	0.48 B	0.41 B	0.48 B	0.56 BJ	0.55 B	0.34 B	0.2 B	0.5 B	0.76 B	0.51 B
Cadmium	1 or SB	17.4	ND	6.3 *	33.6 J	173	ND	0.27 B	ND	2.4	ND
Chromium	10 or SB	106	16.7	35.5	83.6 J	196	8.6	13.9	21.8	21.8	175
Cobalt	30 or SB	7.4 B	10.8 B	12.9 B	9.6 BJ	3.8 B	2.1 B	4.3 B	4.3 B	5.9 B	7.5 B
Copper	25 or SB	116	27.9	63.3	217 J	440	14.9	26.4	60.1	330	117
Iron	2,000 or SB	17,900	18,500	25,300	37,400 J	21,200	8,590	14,000	21,400	17,100	60,500
Lead	SB (2)	87.7	82.2	37.6 *	294 J	96.5	9.4 *	39.1	55.6	165	48.7
Nickel	13 or SB	31.8	24.7	41	37.2 J	19.7	13.5	11.9	19	17.7	91.2
Silver	SB	4.1 NJ	ND	1.4 BNJ	2.6 BNJ	1.6 BNJ	ND	ND	ND	ND	ND
Vandium	150 or SB	16.5	16.7	19.9	37.5 J	11.6 B	3.4 B	7.8 B	9.2 B	15.9	19.6 B
Zinc	20 or SB	433 EJ	108 EJ	187 N*J	1,670 EJ	1,820 EJ	56 N*J	273 EJ	508 EJ	290 EJ	647 J
Total Cyanide	NS (3)	ND	ND	ND	7.8 NJ	49 NJ	ND	ND	2.2 J	ND	ND

Notes:

ND: Compound not detected.

NS: No Standard.

MDL: Method Detection Limit.

SB: Site Background.

(1): Cleanup objective for surface soils.

(2): Background levels for lead vary widely. Average levels in undeveloped, rural areas may range from 4-61 ppm. Average background levels in metropolitan or suburban areas or near highways are much higher and typically range from 200-500 ppm.

(3): Some forms of Cyanide are complex and very stable while other forms are pH dependent and hence are very unstable. Site-specific form(s) of Cyanide should be taken into consideration when establishing soil cleanup objective.

1,200

Analyte detected at concentration in excess of NYSDEC TAGM 4046 recommended soil cleanup objective.

Organic Data Qualifiers:

J: Estimated Value.

D: Identified in analysis at secondary dilution factor.

P: Used for pesticide/Aroclor target analyte when there is 25% difference for detected concentrations between the two GC columns. The lower of the two values is reported and flagged.

Inorganic Data Qualifiers:

E: Estimated value due to interferences.

J or B: Value greater than or equal to the instrument detection limit, but less than the quantitation limit.

N: Spike sample recovery not within quality control limits.

*: Analysis is not within quality control limits.

W: Post digestion spike for furnace AA analysis is out of quality control limits (85-115%) while sample absorbance is less than 50% of spike absorbance.

surface soil samples were minimal and showed no discernible pattern of distribution across the Site.

- A minimum of one SVOC was detected in all surface soil samples at concentrations in excess of TAGM 4046 recommended soil cleanup objectives. Phenolic compounds (phenol, 2-methylphenol, 4-methylphenol, and 2,4-dimethylphenol) were detected in four of the five surface soil samples collected on the north landfill (SS-6 to SS-8 and SS-10) where industrial fill, which contained foundry sand, was present. Concentrations of as many as two phenolic compounds detected in these samples were in excess of TAGM 4046 recommended soil cleanup objectives. Samples from areas across the south landfill (SS-1 to SS-5) where municipal fill was present contained one phenolic compound (4-methylphenol) in one sample (SS-4), which was detected at a concentration significantly below the applicable recommended soil cleanup objectives. Distribution of the remaining SVOCs detected in surface soil samples showed no discernible pattern across the Site.
- Pesticides were detected in three surface soil samples (SS-1 to SS-3) located across the south half of the south landfill at concentrations below TAGM 4046 recommended soil cleanup objectives. Pesticides were not detected in surface soil samples located across the remainder of the south landfill or the north landfill.
- PCBs (Aroclor's 1242, 1254 and 1260) were detected in one surface soil sample (SS-1), which is located near Ley Creek, at a total concentration slightly in excess of TAGM 4046 recommended soil cleanup objectives for total PCBs. PCBs (Aroclor's 1242, 1254 and 1260) were detected in six additional surface soil samples; however, concentrations of each aroclor and total PCB concentrations were below the recommended soil cleanup objectives. No discernable pattern of distribution across the Site was observed. The presence of PCBs at the Site, especially along the east bank of Ley Creek (near sample locations SS-1 to SS-3) may be attributed to the historic flooding of Ley Creek, which contains PCB contaminated sediments.
- A minimum of four metals were detected in all surface soil samples at concentrations in excess of TAGM 4046 recommended soil cleanup objectives. No discernable pattern of distribution across the Site was observed.

- Cyanide was detected in three surface soil samples (SS-4, SS-4 and SS-8). However, since there is no established TAGM 4046 recommended soil cleanup objective for cyanide, an evaluation of the impact to the Site could not be made.

3.4.3 *Sediment Analytical Results*

Analytical results for sediment samples collected along Ley Creek (SED-1 to SED-4, and SED-6) and from wetlands and streams located along the eastern sides of the north landfill (SED-15 to SED-19) and the south landfill (SED-10 to SED-14) are presented on Tables 3-8 to 3-11.

3.4.3.1 *2004 Ley Creek Results*

A review of the analytical data for sediment samples collected at five locations along Ley Creek (SED-1 to SED-4, and SED-6) indicated the following (Tables 3-8 and 3-9).

- VOCs were detected in all sediment samples; however, all concentrations were below NYSDEC sediment screening values. Concentrations of VOCs in upstream sample (SED-4) and downstream samples (SED-1 to SED-3 and SED-6) showed no discernable differences in concentrations or distribution along Ley Creek.
- SVOCs were detected in all sediment samples. Concentrations of six SVOCs were detected in all sediment samples in excess of the human health bioaccumulation screening values. Concentrations of one additional SVOC were detected in four samples (SED-1 to SED-4) in excess of the benthic aquatic life chronic toxicity screening values. Generally, concentrations of SVOCs detected above sediment screening values were slightly higher in downstream samples SED-1, SED-2, and SED-3 with respect to upstream sample SED-4. One pesticide (gamma-BHC) was detected in the upstream sediment sample (SED-4) and in the duplicate sediment sample (SED-5), which was collected at the same location as downstream sediment sample SED-3 at concentrations below NYSDEC sediment screening values. Pesticides were not detected in the

TABLE 3-8
2004 Sediment Sample Analytical Results
VOCs and SVOCs
Crouse-Hinds Landfills

PARAMETER	Human Health Bioaccumulation Criteria (ppb)	Benthic Aquatic Life Acute Toxicity (ppb)	Benthic Aquatic Life Chronic Toxicity (ppb)	Wildlife Bioaccumulation (ppb)	SAMPLE ID / Sample Depth (feet)					
					SED-1 (0' - 0.5')	SED-2 (0' - 0.5')	SED-3 (0' - 0.5')	SED-4 (0' - 0.5')	SED-5 (1) (0' - 0.5')	SED-6 (0' - 0.5')
Volatile Organic Compounds (ppb)										
Acetone	NS	NS	NS	NS	64	80	39	59	31	150
2-Butanone	NS	NS	NS	NS	15 J	26	10 J	9 J	6 J	34
Toluene	NS	139,000	2,898	NS	ND	60	ND	ND	ND	7 J
Chlorobenzene	NS	2,047	207	NS	ND	ND	ND	22	ND	ND
1,4-Dichlorobenzene	NS	NS	NS	NS	ND	ND	ND	6 J	ND	ND
Semi-Volatile Organic Compounds (ppb)										
Naphthalene	NS	15,261	1,775	NS	ND	94 J	ND	ND	ND	ND
2-Methylnaphthalene	NS	17,982	2,011	NS	ND	81 J	ND	ND	ND	ND
Acenaphthene	NS	NS	8,281 E	NS	120 J	160 J	93 J	63 J	ND	ND
Dibenzofuran	NS	NS	NS	NS	ND	85 J	ND	ND	ND	ND
Fluorene	NS	4,318	473	NS	120 J	170 J	96 J	80 J	72 J	ND
Phenanthrene	NS	NS	7,098 E	NS	1,400	2,400	1,300	1,200	970	570 J
Anthracene	NS	58,322	6,329	NS	240 J	410 J	230 J	200 J	180 J	97 J
Fluoranthene	NS	NS	60,333 E	NS	2,500	4,300	2,700	2,000	1,900	1,000
Pyrene	NS	519,041	56,843	NS	5,300 J	9,900 D	5,100 J	4,300 J	3,600 J	1,700 J
Butylbenzylphthalate	NS	NS	NS	NS	85 J	100 J	100 J	93 J	74 J	ND
Benzo(a)anthracene	77	5,560	710	NS	1,400 J	2,200 J	1,300 J	1,100 J	960 J	520 J
Chrysene	77	NS	NS	NS	2,000 J	3,200 J	1,800 J	1,600 J	1,200 J	700 J
Bis(2-Ethylhexyl)phthalate	NS	NS	11,800	NS	1,600 J	1,700 J	1,300 J	720 J	790 J	250 J
Di-n-octylphthalate	NS	NS	NS	NS	ND	110 J	ND	ND	ND	ND
Benzo(b)fluoranthene	77	NS	NS	NS	3,500 J	5,000 J	3,000 J	2,500 J	1,900 J	1,000 J
Benzo(k)fluoranthene	77	NS	NS	NS	1,300 J	1,700 J	890 J	780 J	740 J	330 J
Benzo(a)pyrene	77	NS	NS	NS	1,900 J	2,900 J	1,600 J	1,400 J	1,200 J	630 J
Indeno(1,2,3-cd)pyrene	77	NS	NS	NS	920 J	1,500 J	790 J	810 J	650 J	400 J
Dibenz(a,h)anthracene	NS	NS	NS	NS	290 J	470 J	290 J	280 J	290 J	180 J
Benzo(g,h,i)perylene	NS	NS	NS	NS	830 J	1,500 J	770 J	840 J	680 J	390 J

Notes:

Sediment criteria were adjusted based on average TOC concentrations for all samples. Adjustments were made per NYSDEC's Technical Guidance for Screening Contaminated Sediments.

E: EPA Proposed sediment quality criterion for the protection of benthic organisms.

ND: Compound not detected.

NS: No Standard.

(1): SED-5 is a duplicate sample of SED-3.

1,200 Analyte detected at concentration in excess of Human Health Bioaccumulation Criteria.

1,200 Analyte detected at concentration in excess of Benthic Aquatic Life Chronic Toxicity Criteria.

Organic Data Qualifiers

J: Estimated Value.

D: Identified in analysis at secondary dilution factor.

TABLE 3-9
2004 Sediment Sample Analytical Results
Pesticides, PCBs and Metals
Crouse-Hinds Landfills

PARAMETER	Human Health Bioaccumulation Criteria (ppb)	Benthic Aquatic Life Acute Toxicity (ppb)	Benthic Aquatic Life Chronic Toxicity (ppb)	Wildlife Bioaccumulation (ppb)	SAMPLE ID / Sample Depth (feet)					
					SED-1 (0' - 0.5')	SED-2 (0' - 0.5')	SED-3 (0' - 0.5')	SED-4 (0' - 0.5')	SED-5 (1) (0' - 0.5')	SED-6 (0' - 0.5')
Pesticides (ppb)										
gamma-BHC (Lindane)	NS	NS	NS	NS	ND	ND	ND	37 P	39 P	ND
PCBs (ppb)										
Aroclor 1242	0.047	163,301	1,142	83	1,800 DJ	3,000 DJ	2,900 DJ	2,200 DJ	2,700 DJ	930 DJ
Aroclor 1254	0.047	163,301	1,142	83	1,100 DJ	1,200 DJ	1,600 DJ	1,200 DJ	1,600 DJ	770 DJ
Aroclor 1260	0.047	163,301	1,142	83	220 J	260 J	250 J	180 J	250 J	150 J
Total PCBs	0.047	163,301	1,142	83	3,120	4,460	4,750	3,580	4,550	1,850
TOTAL ORGANIC CARBON	NS	NS	NS	NS	70,700	52,300	51,700	53,100	57,800	69,300
Metals (ppm)	Lowest Effect Level (ppm)	Severe Effect Level (ppm)								
Selenium	NS	NS			ND	ND	ND	ND	ND	1.1 BW
Mercury	0.15	1.3			0.19 J	ND	ND	0.097	0.15 J	0.26
Arsenic	6	33			3.7 BJ	5.0 J	4.1 BJ	1.9 B	3.8 BJ	9
Barium	NS	NS			107 J	89.9 BJ	119	82.9	99.5 J	349
Beryllium	NS	NS			0.31 BJ	0.31 BJ	0.42 BJ	0.29 B	0.31 BJ	0.76 B
Cadmium	0.6	9			5.2 J	2.8 J	5.7 *J	0.66 BJ	2.6 J	21.1 J
Chromium	26	110			74.2 J	78.3 J	97.9 J	49.3	72.8 J	67.3
Cobalt	NS	NS			7.5 BJ	7.8 BJ	8.8 BJ	6.7 B	8.6 BJ	6.4 B
Copper	16	110			102 J	105 J	120 J	89.1	105 J	99.1
Iron	20,000	40,000			16,400 J	14,600 J	18,800 J	13,900	18,600 J	32,400
Lead	31	110			80 J	80.3 J	171 *J	80.1	127 J	46 *
Nickel	16	50			33.5 J	37.7 J	45.7 J	26.7	35.8 J	40.8
Silver	1	2			2.6 BNJ	2.4 BNJ	3 BNJ	2.4 BNJ	2.6 BNJ	2.9 BNJ
Vandium	NS	NS			16.6 BJ	18 BJ	20.4 BJ	15.1 B	19.1 BJ	20.2
Zinc	120	270			358 EJ	363 EJ	333 N*J	274 EJ	326 EJ	405 N*J
Total Cyanide	NS	NS			ND	ND	ND	ND	ND	ND

Notes: ND: Compound not detected. NS: No Standard. (1): SED-5 is a duplicate sample of SED-3.
Sediment criteria were adjusted based on average TOC concentrations for all samples. Adjustments were made per NYSDEC's Technical Guidance for Screening Contaminated Sediments.

1,200 Analyte detected at concentration in excess of Human Health Bioaccumulation Criteria.

1,200 Analyte detected at concentration in excess of Benthic Aquatic Life Chronic Toxicity Criteria.

1,200 Analyte detected at concentration in excess of Wildlife Bioaccumulation Criteria.

1,200 Analyte detected at concentration in excess of lowest effect level.

1,200 Analyte detected at concentration in excess of severe effect level.

Organic Data Qualifiers:

J: Estimated Value.

D: Identified in analysis at secondary dilution factor.

P: Used for pesticide/Aroclor target analyte when there is 25% difference for detected concentrations between the two GC columns. The lower of the two values is reported and flagged.

Inorganic Data Qualifiers:

E: Estimated value due to interferences.

*: Analysis is not within quality control limits.

N: Spike sample recovery not within quality control limits.

J or B: Value greater than or equal to the instrument detection limit, but less than the quantitation limit.

W: Post digestion spike for furnace AA analysis is out of quality control limits (85-115%) while sample absorbance is less than 50% of spike absorbance.

TABLE 3-10
2005 Sediment Sample Analytical Results
VOCs and SVOCs
Crouse-Hinds Landfills

PARAMETER	Human Health Bioaccumulation Criteria (ppb)	Benthic Aquatic Life Acute Toxicity (ppb)	Benthic Aquatic Life Chronic Toxicity (ppb)	Wildlife Bioaccumulation (ppb)	SAMPLE ID / Sample Depth (feet)										
					South Landfill						North Landfill				
					SED-10 (0' - 0.5')	SED-11 (0' - 0.5')	SED-12 (0' - 0.5')	SED-13 (0' - 0.5')	SED-14 (0' - 0.5')	SED-15 (0' - 0.5')	SED-16 (0' - 0.5')	SED-17 (0' - 0.5')	SED-18 (0' - 0.5')	SED-19 (0' - 0.5')	SED-19A (1)
Volatile Organic Compounds (ppb)															
Chloroethane	NS	NS	NS	NS	ND	ND	ND	ND	ND	ND	5 J	ND	ND	ND	ND
Methylene Chloride	NS	NS	NS	NS	ND	ND	ND	ND	ND	ND	11	ND	ND	ND	ND
Acetone	NS	NS	NS	NS	ND	ND	ND	ND	ND	2 J	5 J	ND	ND	ND	ND
Carbon Disulfide	NS	NS	NS	NS	ND	ND	ND	ND	ND	ND	2 J	ND	ND	ND	ND
Tetrachloroethene	800	NS	NS	NS	ND	ND	1 J	ND	ND	ND	ND	ND	ND	ND	ND
Toluene	NS	19,868	4,143	NS	ND	ND	ND	ND	ND	ND	2 J	ND	ND	ND	ND
Isopropylbenzene	NS	NS	NS	NS	ND	ND	ND	ND	ND	ND	2 J	ND	ND	ND	ND
Semi-Volatile Organic Compounds (ppb)															
Acenaphthylene	NS	NS	NS	NS	270 J	630 J	ND	250 J	230 J	700 J	800 J	ND	260 J	280 J	ND
Fluorene	NS	6,172	676	NS	ND	250 J	ND	ND	ND	ND	ND	ND	ND	ND	ND
Phenanthrene	NS	NS	10,145 E	NS	1,400 J	3,200 J	710 J	1,400 J	1,500 J	1,200 J	1,000 J	520 J	1,800 J	2,500 J	270 J
Anthracene	NS	83,362	9,046	NS	390 J	860 J	210 J	310 J	320 J	580 J	660 J	ND	440 J	560 J	ND
Carbazole	NS	NS	NS	NS	260 J	580 J	ND	ND	ND	ND	ND	ND	270 J	350 J	ND
Di-n-butylphthalate	NS	NS	NS	NS	ND	ND	1,600 J	ND	ND	ND	ND	ND	ND	ND	ND
Fluoranthene	NS	NS	86,236 E	NS	4,300	8,500	2,200 J	3,900 J	4,200 J	2,600 J	2,500 J	1,200 J	4,900 J	5,200 J	720 J
Pyrene	NS	741,886	81,248	NS	3,600 J	7,000 J	1,700 J	3,200 J	3,300 J	2,400 J	2,300 J	950 J	3,800 J	4,100 J	600 J
Butylbenzylphthalate	NS	NS	NS	NS	250 J	580 J	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo(a)anthracene	110	7,947	1,015	NS	2,000 J	4,200 J	930 J	1,600 J	1,600 J	1,000 J	1,000 J	560 J	2,400 J	2,600 J	360 J
Chrysene	110	NS	NS	NS	2,200 J	4,600 J	1,200 J	2,200 J	2,300 J	1,600 J	1,500 J	580 J	2,600 J	2,600 J	380 J
Benzo(b)fluoranthene	110	NS	NS	NS	3,300 J	6,800 J	1,700 J	3,200 J	3,200 J	2,300 J	1,800 J	980 J	3,600 J	3,400 J	550 J
Benzo(k)fluoranthene	110	NS	NS	NS	1,200 J	2,400 J	570 J	1,100 J	1,100 J	ND	ND	ND	1,500 J	1,400 J	220 J
Benzo(a)pyrene	110	NS	NS	NS	2,700 J	5,400 J	1,200 J	2,300 J	2,300 J	1,800 J	1,500 J	670 J	2,800 J	2,800 J	420 J
Indeno(1,2,3-cd)pyrene	110	NS	NS	NS	2,100 J	3,600 J	830 J	1,500 J	1,500 J	1,100 J	930 J	460 J	2,100 J	1,500 J	320 J
Dibenz(a,h)anthracene	NS	NS	NS	NS	590 J	1,000 J	ND	400 J	370 J	ND	ND	ND	580 J	440 J	ND
Benzo(g,h,i)perylene	NS	NS	NS	NS	2,600 J	4,300 J	990 J	1,800 J	1,700 J	1,300 J	1,000 J	530 J	2,600 J	1,700 J	420 J

Notes:

Sediment criteria were adjusted based on average TOC concentrations for all samples. Adjustments were made per NYSDEC's Technical Guidance for Screening Contaminated Sediments.

ND: Compound not detected.

NS: No Standard.

(1): SED-19A is a duplicate sample of SED-19.

E: EPA Proposed sediment quality criterion for the protection of benthic organisms.

1,200 Analyte detected at concentration in excess of Human Health Bioaccumulation Criteria.

1,200 Analyte detected at concentration in excess of Benthic Aquatic Life Chronic Toxicity Criteria.

Organic Data Qualifiers:

J: Estimated Value.

B: Analyte found in the associated blank, as well as sample.

TABLE 3-11
2005 Sediment Sample Analytical Results
PCBs and Metals
Crouse-Hinds Landfills

PARAMETER	Human Health Bioaccumulation Criteria (ppb)	Benthic Aquatic Life Acute Toxicity (ppb)	Benthic Aquatic Life Chronic Toxicity (ppb)	Wildlife Bioaccumulation (ppb)	SAMPLE ID / Sample Depth (feet)										
					South Landfill					North Landfill					
					SED-10 (0' - 0.5')	SED-11 (0' - 0.5')	SED-12 (0' - 0.5')	SED-13 (0' - 0.5')	SED-14 (0' - 0.5')	SED-15 (0' - 0.5')	SED-16 (0' - 0.5')	SED-17 (0' - 0.5')	SED-18 (0' - 0.5')	SED-19 (0' - 0.5')	SED-19A (1)
PCBs (ppb)															
Aroclor 1248	0.068	233,413	1,632	118	ND	ND	ND	490	1,100 J	66,000	84,000	13,000	2,800 J	300	410
Aroclor 1254	0.068	233,413	1,632	118	ND	ND	2,800	420	480 J	ND	17,000 J	4,900 J	1,800 J	210	380
Aroclor 1260	0.068	233,413	1,632	118	320	510	ND	240	ND R	ND	ND	ND	ND	180	400
Total PCBs	0.068	233,413	1,632	118	320	510	2,800	1,150	1,580	66,000	101,000	17,900	4,300	690	1,190
TOTAL ORGANIC CARBON (ppm)	NS	NS	NS	NS	89,000 J	75,000 J	140,000 J	67,000 J	50,000 J	65,000 J	150,000 J	120,000 J	48,000 J	74,000 J	52,000 J
Metals (ppm)	Lowest Effect Level (ppm)	Severe Effect Level (ppm)													
Aluminum	NS	NS			7,930 J	12,600 J	12,400 J	9,530 J	8,590 J	14,800 J	18,700 J	14,900 J	9,830 J	5,670 J	7,650 J
Antimony	2	24			5.1 BNJ	3.3 BNJ	4.5 BNJ	1.4 BNJ	1.5 BNJ	2.3 BNJ	ND	5.6 BNJ	2.6 BNJ	1.7 BNJ	2.2 BNJ
Arsenic	6	33			12.8 *J	10.5 *J	20.3 *J	8.9 *J	7.5 *J	16 *J	30.5 *J	24.4 *J	12.1 *J	5.6 *J	8.8 *J
Barium	NS	NS			251 J	34 J	333 J	199 J	156 J	54 J	387 J	213 J	121 J	72.7 J	113 J
Beryllium	NS	NS			0.5 BJ	0.69 BJ	0.73 BJ	0.52 BJ	0.46 BJ	1.1 BJ	1.3 BJ	1.1 BJ	1.1 BJ	0.45 BJ	0.48 BJ
Cadmium	0.6	9			53.7 *J	20.4 *J	82.6 *J	4.0 *J	17.5 *J	10.8 *J	35.6 *J	98.7 *J	12.6 *J	3.4 *J	10.8 *J
Calcium	NS	NS			95,600 *J	99,200 *J	62,500 *J	64,300 *J	63,200 *J	94,500 *J	28,400 *J	41,000 *J	39,400 *J	13,900 *J	41,200 *J
Chromium	26	110			82.8 N*J	71.7 N*J	127 N*J	86.2 N*J	78.3 N*J	2,930 N*J	5,440 N*J	1,680 N*J	270 N*J	28.4 N*J	85.5 N*J
Cobalt	NS	NS			18.4 J	7.4 BJ	7 BJ	10 BJ	6 BJ	13.8 BJ	17.5 BJ	10.7 BJ	7.4 BJ	4.2 BJ	5.9 BJ
Copper	16	110			238 N*J	231 N*J	253 N*J	126 N*J	111 N*J	1,070 N*J	2,440 N*J	628 N*J	354 N*J	260 N*J	237 N*J
Iron	20,000	40,000			34,700 *J	37,400 *J	40,600 *J	29,900 *J	23,000 *J	29,100 *J	44,300 *J	26,500 *J	22,600 *J	18,900 *J	18,100 *J
Lead	31	110			249 *J	301 *J	204 *J	169 *J	110 *J	396 *J	375 *J	503 *J	153 *J	68.5 *J	133 *J
Magnesium	NS	NS			16,000 *J	18,500 *J	8,430 *J	14,600 *J	15,100 *J	14,000 *J	13,200 *J	9,910 *J	4,450 *J	3,890 *J	9,570 *J
Manganese	460	1,100			1,560 N*J	495 N*J	375 N*J	988 N*J	299 N*J	508 N*J	338 N*J	764 N*J	528 N*J	165 N*J	292 N*J
Nickel	16	50			33.5 *J	36.2 *J	48.7 *J	38.4 *J	31.8 *J	977 *J	1,990 *J	775 *J	203 *J	29.6 *J	99.5 *J
Potassium	NS	NS			1,340 J	1,810 J	1,740 BJ	1,710 J	1,730 J	3,490 J	4,040 J	2,860 BJ	1,400 BJ	1,070 J	1,450 J
Selenium	NS	NS			1.7 BJ	1.9 BJ	2.7 BJ	1.6 BJ	1.1 BJ	2.7 BJ	3.7 BJ	4.3 BJ	3.6 BJ	0.85 BJ	2.1 BJ
Silver	1	2.2			0.58 BJ	0.75 BJ	0.86 BJ	1.2 BJ	1.3 BJ	7 J	11.6 J	3.1 BJ	0.81 BJ	0.56 BJ	0.43 BJ
Mercury	0.15	1.3			0.292 N*J	0.321 N*J	0.452 N*J	0.265 N*J	0.192 N*J	0.685 N*J	0.62 N*J	0.437 N*J	0.437 N*J	0.156 N*J	0.248 N*J
Sodium	NS	NS			374 BJ	639 BJ	1,030 BJ	490 BJ	480 BJ	4,920 J	2,440 BJ	2,200 BJ	1,090 BJ	297 BJ	487 BJ
Thallium	NS	NS			ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Vandium	NS	NS			26.8 J	39.3 J	36.6 J	28.2 J	22.3 J	39.1 J	50.7 J	53.6 J	32.7 J	16.9 J	22.3 J
Zinc	120	270			2,050 N*J	1,170 N*J	2,360 N*J	952 N*J	463 N*J	926 N*J	984 N*J	2,540 N*J	588 N*J	341 N*J	507 N*J

Notes:

Sediment criteria were adjusted based on average TOC concentrations for all samples. Adjustments were made per NYSDEC's Technical Guidance for Screening Contaminated Sediments.

ND: Compound not detected.

NS: No Standard.

(1): SED-19A is a duplicate sample of SED-19.

1.200 Analyte detected at concentration in excess of Human Health Bioaccumulation Criteria.

1.200 Analyte detected at concentration in excess of Wildlife Bioaccumulation Criteria.

1.200 Analyte detected at concentration in excess of Benthic Aquatic Life Chronic Toxicity Criteria.

1.200 Analyte detected at concentration in excess of lowest effect level.

1.200 Analyte detected at concentration in excess of severe effect level.

Organic Data Qualifiers:

J: Estimated Value.

R: Data rejected by validation.

Inorganic Data Qualifiers:

*: Analysis is not within quality control limits.

N: Spike sample recovery not within quality control limits.

B: Value greater than or equal to the instrument detection limit, but less than the quantitation limit.

J: Estimated value flagged in data validation.

downstream sediment samples (SED-1, SED-2 and SED-6), which were collected along the west side of the south landfill.

- PCB Aroclors 1242, 1254 and 1260 were detected in all sediment samples. Concentrations of Aroclors 1242, 1254, and 1260 exceeded the human health and wildlife bioaccumulation screening values for all samples.. Concentrations of Aroclor 1242 detected in samples SED-1 to SED-4 and Aroclor 1254 detected in samples SED-2 to SED-4 exceeded the benthic aquatic life chronic toxicity screening values. Concentrations of total PCBs exceeded the human health bioaccumulation, benthic aquatic life chronic toxicity, and wildlife bioaccumulation screening values for all samples. Concentrations of PCBs detected in sediment samples at upstream and downstream locations were similar and showed no discernable differences in concentration between any of the sampling locations. **Note:** PCB impacts in sediment have been documented in Ley Creek during sediment sampling activities conducted by others in 1996 and 1997. The PSA results will be compared to these data that were generated by others in Section 4.0 of this report.
- At least seven and as many as ten metals were detected in all sediment samples at concentrations which exceeded sediment-screening values for lowest and severe effect levels. Concentrations of metals detected in sediment samples at upstream and downstream locations were similar and showed no discernable differences in concentration between any of the sampling locations.
- Cyanide was not detected in any sediment sample.

3.4.3.2 Eastern Site Sediment Results

A review of the analytical data for sediment samples collected from wetlands and streams located along the east side of the north landfill (SED-15 to SED-19) and the east and south sides of the south landfill (SED-10 to SED-14) indicated the following (Tables 3-10 and 3-11).

- VOCs were detected in three sediment samples (SED-12, SED-15, and SED-16) at concentrations significantly below NYSDEC sediment screening values.

- SVOCs were detected in all sediment samples. Concentrations of between five and six SVOCs were detected in all sediment samples in excess of the human health bioaccumulation screening values. Concentrations of one additional SVOC were detected in six samples (SED-10, SED-11, SED-13, SED-14, SED-18 and SED-19) in excess of the benthic aquatic life chronic toxicity screening values. Concentrations of SVOCs detected in sediment samples were generally slightly higher in downstream samples versus upstream samples along the east sides of both landfills.
- Up to three PCB Aroclors (1248, 1254 and 1260) were detected in all sediment samples. In each sediment sample, at least one Aroclor was detected at a concentration in excess of two or more of the applicable sediment screening values. Concentrations of total PCBs in each sample exceeded at least two or more of the applicable sediment screening values.
- Concentrations of PCBs detected in sediment samples SED-15, SED-16 and SED-17, which were collected in the wetland area located along the east side of the north landfill were the highest detected in all sediment samples collected onsite. Concentrations of total PCBs in these samples ranged from 17.9 ppm (SED-17) to 101 ppm (SED-16). Concentrations of PCBs detected in sediment samples collected in the stream reach draining the wetland showed decreasing concentrations of PCBs (4.3 ppm at SED-18 and 0.69 ppm at SED-19) with distance downstream of the wetland area.
- Concentrations of PCBs detected in sediment samples SED-10 and SED-11, which were collected in the stream reach located along the east side of the south landfill were lower (0.32 ppm to 0.51 ppm, respectively) than concentrations detected in samples collected from the downstream wetland area (SED-12 to SED-14) to which the stream discharges. Concentrations of total PCBs in samples collected in the wetland area ranged from 1.15 ppm (SED-13) to 2.8 ppm (SED-12).
- At least seven and as many as twelve metals were detected in all sediment samples at concentrations which exceeded sediment-screening values for lowest and severe effect levels. Generally, concentrations of metals detected in sediment

samples at upstream and downstream locations were similar and showed no discernable differences between any of the sampling locations.

3.4.4 Surface Water Analytical Results

Analytical results for surface water samples collected along Ley Creek (SW-1 to SW-4) and from wetlands and streams located along the east side of the north landfill (SW-15 to SW-19) and the east and south sides of the south landfill (SW-10 to SW-14) are presented on Tables 3-12 and 3-13.

3.4.4.1 Ley Creek Results

A review of the analytical data for surface water samples collected at four locations along Ley Creek (SW-1 to SW-4) indicated the following (Table 3-12).

- One VOC (total 1,2-Dichloroethene) was detected in all samples at low concentrations (between 4 ppb and 7 ppb). However, since there is no established NYSDEC Class C surface water standard for this analyte, an evaluation of the impact to surface waters could not be made. Concentrations of 1,2-Dichloroethene (total) in the upstream sample (SW-4) and downstream samples (SW-1 to SW-3) showed no discernable differences in concentrations or distribution along Ley Creek.
 - One SVOC (Bis (2-Ethylhexyl) phthalate) was detected in all surface water samples at concentrations slightly in excess of the NYSDEC Class C surface water standard. (Note: This analyte was also detected in the co-located sediment samples.) Two other SVOCs were detected in the surface water samples; however, concentrations were below the applicable surface water standards. Concentrations of SVOCs detected in the upstream sample (SW-4) and downstream samples (SW-1 to SW-3) showed no discernable differences in concentrations or distribution along Ley Creek.
- One pesticide (gamma-BHC) was detected in the upstream (SW-4) and downstream (SW-1) surface water samples at low concentrations. (Note: This

TABLE 3-12
2004 Surface Water Sample Analytical Results
VOCs, SVOCs, Pesticides, PCBs and Metals
Crouse-Hinds Landfills

PARAMETER	NYSDEC Class C Surface Water Standard (ppb)	SAMPLE ID				
		SW-1	SW-2	SW-3	SW-4	SW-5 (2)
Volatile Organic Compounds (ppb)						
Total-1,2-Dichloroethene	NS	4 J	5 J	7 J	7 J	7 J
Semi-Volatile Organic Compounds (ppb)						
Di-n-butylphthalate	NS	ND	ND	2 J	4 J	12 J
Bis(2-Ethylhexyl)phthalate	1	3 J	8 J	3 J	3 J	7 J
Benzo(b)fluoranthene	NS	ND	4 J	ND	1 J	ND
Pesticides (ppb)						
gamma-BHC (Lindane)	NS	0.02 JP	ND	ND	0.03 J	0.01 J
PCBs (ppb)						
Aroclor 1242	0.000001	ND	ND	ND	0.86	ND
Total PCBs	0.000001	ND	ND	ND	0.86	ND
Metals (ppm)						
Selenium	5	1.4 BS	1.8 BW	ND	1.3 BW	ND
Mercury	0.0007	ND	ND	ND	ND	ND
Arsenic	150	3.4 B	ND	ND	4.7 B	ND
Barium	NS	151 B	142 B	106 B	174 B	106 B
Beryllium	11	ND	ND	ND	ND	ND
Cadmium	NS (1)	ND	1.1 B	ND	1 B	ND
Chromium	NS (1)	9.5 B	18.8	2.8 B	30.4	2.2 B
Cobalt	5	3.6 B	ND	ND	4.6 B	ND
Copper	NS (1)	17.6 B	34.1	6.1 B	60.2	6.2 B
Iron	300	4,460	5,700	994	11,000	958
Lead	NS (1)	22.8	38.8	11.3	84.2	11.9
Nickel	NS (1)	9.1 B	11.6 B	4.3 B	26.1 B	4.3 B
Silver	0.1	ND	ND	ND	ND	ND
Vandium	14	4.5 B	7 B	ND	13.1 B	ND
Zinc	NS (1)	76.4	137	12.8	298	12.1
Total Cyanide	9,000	ND	ND	ND	ND	ND

Notes:

ND: Compound not detected.

NS: No Standard.

(1): No standard. The Standard is calculated based on total hardness, which was not analyzed. Therefore, a standard could not be calculated.

(2): SW-5 is a duplicate sample of SW-3.

5

Analyte detected at concentration in excess of NYSDEC Class C Surface Water Standard.

Organic Data Qualifiers:

J: Estimated Value.

Inorganic Data Qualifiers:

P: Used for pesticide/Aroclor target analyte when there is 25% difference for detected concentrations between the two GC columns.

The lower of the two values is reported and flagged.

J or B: Value greater than or equal to the instrument detection limit, but less than the quantitation limit.

S: Value determined by Method of Standard Addition.

W: Post digestion spike for furnace AA analysis is out of quality control limits (85-115%) while sample absorbance is less than 50% of spike absorbance.

TABLE 3-13
2005 Surface Water Sample Analytical Results
VOCs, SVOCs and Metals
Crouse-Hinds Landfills

PARAMETER	NYSDEC Class C Surface Water Standard (ppb)	SAMPLE ID										
		SW-10 South Landfill	SW-11 South Landfill	SW-12 South Landfill	SW-13 South Landfill	SW-14 South Landfill	SW-15 North Landfill	SW-16 North Landfill	SW-17 North Landfill	SW-18 North Landfill	SW-19 North Landfill	SW-19A (1)
Volatile Organic Compounds (ppb)												
Chloroethane	NS	ND	ND	ND	ND	ND	ND	58	ND	ND	ND	ND
Methylene chloride	200	ND	ND	ND	ND	ND	ND	3,700 D	68	59	34	35
Acetone	NS	2 J	6 J	2 J	ND	ND	ND	2 J	7 J	7 J	5 J	5 J
1,1-Dichloroethane	NS	ND	ND	ND	ND	ND	ND	5 J	ND	ND	ND	ND
1,1,1-Trichloroethane	NS	ND	ND	ND	ND	ND	ND	1 J	ND	ND	ND	ND
Trichloroethene	40	ND	ND	ND	ND	ND	ND	1 J	ND	ND	ND	ND
Benzene	10	ND	ND	ND	ND	ND	ND	2 J	ND	ND	ND	ND
Tetrachloroethene	1 GV	ND	ND	ND	ND	ND	ND	1 J	ND	ND	ND	ND
Toluene	6,000	ND	ND	ND	ND	ND	ND	310 D	ND	ND	ND	ND
Trans-1,2-Dichloroethene	NS	ND	ND	ND	ND	ND	ND	1 J	ND	ND	ND	ND
Semi-Volatile Organic Compounds (ppb)												
Phenanthrene	45 GV	ND	8 J	ND	0.5 J	ND	ND	ND	ND	ND	ND	ND
Anthracene	35 GV	ND	3 J	ND	ND	ND	ND	ND	ND	ND	ND	ND
Fluoranthene	NS	2 J	26 J	ND	1 J	0.3 J	ND	ND	ND	ND	ND	ND
Pyrene	42 GV	2 J	21 J	ND	1 J	ND	ND	ND	ND	ND	ND	ND
Benzo(a)anthracene	0.03 GV	1 J	12 J	ND	0.6 J	ND	ND	ND	ND	ND	ND	ND
Crysene	NS	1 J	14 J	ND	0.8 J	ND	ND	ND	ND	ND	ND	ND
Benzo(b)fluoranthene	NS	3 J	21 J	ND	1 J	ND	ND	ND	ND	ND	ND	ND
Benzo(k)fluoranthene	NS	3 J	8 J	ND	0.4 J	ND	ND	ND	ND	ND	ND	ND
Benzo(a)pyrene	0.0012 GV	2 J	16 J	ND	0.8 J	ND	ND	ND	ND	ND	ND	ND
Indeno(1,2,3-cd)pyrene	NS	ND	15 J	ND	0.6 J	ND	ND	ND	ND	ND	ND	ND
Dibenzo(a,h)anthracene	NS	ND	4 J	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo(g,h,i)perylene	NS	ND	19 J	ND	0.7 J	ND	ND	ND	ND	ND	ND	ND
Metals (ppb)												
Cadmium	6.6 (2)	28.2	83.9	4.3 B	1.4 B	3.1 B	0.42 B	6.3	10.7	ND	0.61 B	0.84 B
Calcium	NS	135,000	341,000	146,000	88,100	87,400	141,000	119,000	82,100	100,000	118,000	109,000
Chromium	250 (2)	37.1	154	0.78 B	4.9 B	11.1	54	332	109	7.1 B	7.6 B	7.5 B
Lead	17.9 (2)	104	675	ND	6.4	13.6	6.2	44.2	51	ND	3.4	3.9
Magnesium	NS	20,000	59,100	24,700	16,100	16,500	27,200	39,500	20,400	21,100	24,400	22,800 B
Nickel	180 (2)	17.6 B	83.2	4.9 B	5.2 B	9.3 B	30.1 B	166	71.2	18.4 B	19.9 B	19.7 B
Zinc	290 (2)	848	3,500	157	50	102	44.9	329	353	18 B	27.6	34.6

Notes:

ND: Compound not detected.

NS: No Standard.

GV: Guidance Value

(1): SW-19A is a duplicate sample of SW-19.

(2): The Standard was calculated based on total hardness, which was derived from calcium and magnesium concentrations. The mean total hardness of 434 ppm was used to calculate the Standard.

1,200

Analyte detected at concentration in excess of NYSDEC Class C Surface Water Standard.

Organic Data Qualifiers:

J: Estimated Value.

D: Identified in analysis at secondary dilution factor.

Inorganic Data Qualifiers:

B: Value greater than or equal to the instrument detection limit, but less than the quantitation limit.

analyte was also detected in duplicate sample SW-5.). However, since there is no established NYSDEC Class C surface water standard for this analyte, an evaluation of the impact to surface waters could not be made.

- One PCB (Aroclor 1242) was detected in the upstream surface water sample (SW-4) at a concentration in excess of the NYSDEC Class C surface water standard. PCBs were not detected in the downstream surface water samples (SW-1 to SW-3); therefore, the source of PCBs in surface waters is upstream of the Site.
- One metal (iron) was detected in all surface water samples at concentrations in excess of the NYSDEC Class C surface water standard. Other metals were detected in all of the surface water samples; however, concentrations were below the applicable surface water standards. Concentrations of metals detected in the upstream surface water sample (SW-4), generally were higher than those detected in the downstream surface water samples (SW-1 to SW-3), which indicates an upstream source.
- Cyanide was not detected in any surface water sample.

3.4.4.2 Eastern Site Surface Water Results

A review of the analytical data for surface water samples collected from wetlands and streams located along the east side of the north landfill (SW-15 to SW-19) and the east and south sides of the south landfill (SW-10 to SW-14) indicated the following (Table 3-13).

- Methylene chloride was detected in one sample (SW-16) collected in the wetland area on the east side of the north landfill at a concentration in excess of the NYSDEC Class C surface water standard. Nine other VOCs were also detected in this sample; however, concentrations were below the applicable surface water standards. Methylene chloride and/or acetone were detected in six of the ten surface water samples collected along the east side of both landfills. Besides these analytes, no other VOCs were detected in any of the surface water samples, with the exception of sample SW-16 as noted previously.

- SVOCs were not detected in surface water samples (SW-15 to SW-19) collected on the north landfill. SVOCs were detected in four of the five surface water samples (SW-10, SW-11, SW-13, and SW-14) collected on the south landfill at concentrations below NYSDEC Class C surface water standards.
- Phenolic compounds (total recoverable and/or individual phenolic compounds) were not detected in any of the surface water samples.
- Metals (cadmium, lead, and zinc) were detected in two upstream surface water samples (SW-10 and SW-11), which were collected from the stream located along the base of the eastern side (central portion) of the south landfill at concentrations in excess of calculated NYSDEC Class C surface water standards. Metals were also detected in surface water sample SW-16 (chromium, lead and zinc) and SW-17 (cadmium, lead, and zinc), which were located in areas of open water and wetlands along the east side of the north landfill at concentrations in excess of calculated NYSDEC Class C surface water standards. Other metals were detected in all of the surface water samples; however, concentrations were below the applicable surface water standards.

3.4.5 *Leachate Sample Analytical Results*

Analytical results for leachate samples are presented on Table 3-14. Leachate samples were collected from a seep in the east side of the south landfill (L-1) and from an area of ponded water/leachate on the north landfill (L-2). Because these surface water discharges are not part of any New York State classified water body, there are no applicable surface water quality standards available for comparison purposes with the analytical data. Therefore, the closest standards that these samples could be compared to are Class D surface water standards. A review of the analytical data for leachate samples collected at locations L-1 and L-2 versus the Class D surface water standards indicated the following.

- VOCs were detected in both leachate samples at concentrations significantly below Class D surface water standards.

TABLE 3-14
2004 Leachate Sample Analytical Results
VOCs, SVOCs, and Metals
Crouse-Hinds Landfills

PARAMETER	NYSDEC Class D Surface Water Standard (ppb)		
		L-1	L-2
Volatile Organic Compounds (ppb)			
Acetone	NS	12	ND
Benzene	10	ND	2 J
Toluene	6,000	ND	2 J
Chlorobenzene	400	2 J	ND
Semi-Volatile Organic Compounds (ppb)			
Di-n-butylphthalate	NS	4 J	ND
Bis(2-Ethylhexyl)phthalate	NS	4 J	2 J
Total Recoverable Phenolic Compounds	1 (2)	49	40
Metals (ppm)			
Selenium	5	ND	2.5 BW
Mercury	0.0007	ND	ND
Arsenic	150	14.4	3.2 B
Barium	NS	739	83.6 B
Beryllium	11	ND	ND
Cadmium	NS (1)	50.6	ND
Chromium	NS (1)	15.8	ND
Cobalt	5	7 B	ND
Copper	NS (1)	63	9.1 B
Iron	300	78,200	14,300
Lead	NS (1)	51.6	9.2
Nickel	NS (1)	15.7 B	5.3 B
Silver	0.1	ND	ND
Vandium	14	4.8 B	ND
Zinc	NS (1)	1,360	39.2
Total Cyanide	9,000	0.019	ND

Notes:

ND: Compound not detected.

NS: No Standard.

(1): No standard. The Standard is calculated based on total hardness, which was not analyzed.

Therefore, a standard could not be calculated.

(2): The standard for total chlorinated phenols is 1.0 ppb, whereas the standard for total unchlorinated phenols is 5.0 ppb. The lower standard was used for comparison purposes.

5

Analyte detected at concentration in excess of NYSDEC Class D Surface Water Standard.

Organic Data Qualifiers:

J: Estimated Value.

Inorganic Data Qualifiers:

J or B: Value greater than or equal to the instrument detection limit, but less than the quantitation limit.

W: Post digestion spike for furnace AA analysis is out of quality control limits (85-115%)

while sample absorbance is less than 50% of spike absorbance.

- SVOCs were detected in both leachate samples. Concentrations of total recoverable phenolic compounds in both samples were above Class D surface water standards. No specific phenolic compounds were detected in the leachate samples.
- Iron was detected in both leachate samples at concentrations above the Class D surface water standard.
- Pesticides and PCBs were not detected in any leachate sample.
- Cyanide was detected in leachate sample L-1 at a concentration significantly below Class D surface water standard.

3.4.6 July 2004 Groundwater Analytical Results – Shallow Aquifer

Analytical results for groundwater samples collected from the shallow aquifer (W-1S, W-2S, W-3S, MW-1N, MW-2N, MW-3N, MW-4A, MW-6A, MW-8A, MW-9A, MW-10 and MW-11A) during the July 2004 sampling event are presented on Table 3-15. A review of the analytical data indicated the following.

- At least one VOC and as many as four were detected in five of the twelve shallow groundwater samples (MW-1N, MW-2N, MW-4A, MW-6A and MW-11A) at concentrations in excess of NYSDEC Class GA groundwater standards. VOCs were detected in four of the remaining seven shallow groundwater samples (MW-3N, MW-8A, MW-9A and W-2S); however, concentrations of all detected VOCs were below applicable groundwater standards. Groundwater impacted with VOCs above applicable standards was present in wells located along the western side and in the northeast corner of the north landfill (Figure 3-2). Monitoring wells located in these areas are downgradient of the north landfill and along defined groundwater flow paths. Shallow groundwater across the south landfill was not impacted by VOCs.
- SVOCs were detected in all of the shallow well groundwater samples, with the exception of W-1S and MW-3N. Generally, concentrations of all SVOCs detected in the wells were below the NYSDEC Class GA groundwater standards. However, in sample MW-6A several SVOCs were detected at concentrations

TABLE 3-15
2004 Groundwater Sample Analytical Results
VOCs, SVOCs, Pesticides, PCBs and Metals
Crouse-Hinds Landfills

PARAMETER	NYSDEC Class GA Groundwater Standard (ppb)	SAMPLE ID																					
		North Landfill																	South Landfill				
		MW-1N Shallow Well	MW-2N Shallow Well	MW-3N Shallow Well	MW-4A Shallow Well	MW-4B Deep Well	MW-5 Deep Well	MW-6A Shallow Well	MW-6B Deep Well	MW-7 Deep Well	MW-8A Shallow Well	MW-8B Deep Well	MW-9A Shallow Well	MW-9B Deep Well	MW-10 Shallow Well	MW-11A Shallow Well	MW-11B Deep Well	MW-12 (1)	MW-13 (1)	W-1S Shallow Well	W-2S Shallow Well	W-3S Shallow Well	
Volatile Organic Compounds (ppb)																							
Chloroethane	5	190 D	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
Methylene Chloride	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	110	ND	ND	ND	ND	ND	ND	
Acetone	50	23 JD	ND	10 J	22	ND	ND	50	37 J	ND	ND	7 J	ND	8 J	ND	ND	13	ND	ND	4 J	ND	4 J	ND
Carbon Disulfide	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1 J	ND	ND	ND	1 J	ND	ND	ND	ND	
Benzene	1	6 JD	6 J	ND	3 J	ND	ND	10 J	ND	ND	ND	ND	ND	ND	ND	6 J	ND	6 J	ND	ND	ND	ND	
Toluene	5	ND	ND	1 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	14	ND	ND	ND	ND	ND	ND	
Chlorobenzene	5	32 JD	40	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
Ethylbenzene	5	ND	ND	ND	ND	ND	ND	9 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	42	ND	ND	ND	ND	
1,4-Dichlorobenzene	3	3 J	8 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	8 J	ND	ND	ND	ND	
1,2-Dichlorobenzene	3	2 J	1 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	2 J	ND	ND	ND	ND	
Semi-Volatile Organic Compounds (ppb)																							
Naphthalene	10	ND	5 J	ND	ND	ND	1 J	ND	2 J	ND	ND	ND	ND	3 J	ND	1 J	ND	4 J	ND	ND	ND	ND	
2-Methylnaphthalene	NS	2 J	2 J	ND	ND	ND	1 J	ND	1 J	ND	ND	ND	ND	1 J	ND	1 J	ND	ND	ND	ND	ND	ND	
Acenaphthene	20	1 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
Diethylphthalate	50	2 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
Phenanthrene	50	ND	ND	ND	ND	ND	ND	73 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1 J	ND	ND	3 J	
Di-n-butylphthalate	50	ND	ND	ND	ND	ND	ND	ND	ND	ND	1 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
Fluoranthene	50	ND	ND	ND	ND	ND	ND	85 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
Pyrene	50	ND	ND	ND	ND	ND	ND	97 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
Bis(2-Ethylhexyl)phthalate	5	ND	4 J	ND	ND	ND	ND	ND	ND	ND	1 J	ND	ND	ND	ND	ND	ND	4 J	3 J	ND	ND	3 J	
Total Phenols	1	1,360	10	ND	15	ND	39	27	ND	ND	12	ND	16	ND	13	36	ND	10	ND	ND	20	15	
Pesticides (ppb)		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
PCBs (ppb)		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
Metals (ppb)																							
Mercury	0.7	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
Arsenic	25	ND	ND	25.0	7.4 B	18.3 B	2.0 B	7.2 B	5.7 B	4.9 B	2.7 B	17.1 B	5.6 B	9.7 B	3.2 B	2.3 B	8.0 B	ND	28.1 B	ND	ND	17.6 B	
Barium	1,000	148 B	254.0	1,010	133 B	27.3 B	46.8 B	60.6 B	27.7 B	29.5 B	173.0 B	24.4 B	1,170	24.0 B	232.0	127.0 B	24.7 B	244.0	73.8 B	126.0 B	2,350.0	65.4 B	
Beryllium	3	0.79 B	0.31 B	1.3 B	2.4 B	3.0 B	ND	ND	0.74 B	1.3 B	ND	5.8 B	1.7 B	2.1 B	ND	ND	1.0 B	ND	5.2 B	0.36 B	1.3 B	4.6 B	
Cadmium	5	ND	ND	6.4	1.6 B	1.1 B	ND	0.55 B	ND	ND	ND	2.2 B	1.5 B	ND	ND	ND	ND	ND	ND	ND	ND	ND	
Chromium	50	5.1 B	1.8 B	9.4 B	5.5 B	4.9 B	2.1 B	85.6	2.5 B	5.4 B	2.3 B	6.5 B	3.8 B	3.3 B	9.4 B	4.6 B	4.2 B	1.2 B	10.0 B	2.8 B	4.2 B	8.9 B	
Cobalt	NS	4.5 B	7.4 B	6.5 B	6.2 B	9.4 B	2.7 B	ND	4.9 B	10.0 B	3.3 B	11.9 B	10.4 B	8.2 B	5.2 B	4.4 B	8.0 B	5.8 B	21.9 B	3.8 B	8.1 B	20.0 B	
Copper	200	2.8 B	ND	91.4	8.4 B	14.9 B	1.7 B	11.2 B	3.7 B	15.2 B	1.8 B	20.8 B	10.4 B	13.5 B	9.1 B	2.5 B	9.1 B	6.2 B	31.8 B	3.4 B	12.0 B	53.6 B	
Iron	300	21,800 NJ	53,900 NJ	29,500 NJ	14,200 NJ	4,870 BJ	716 NJ	1,550 NJ	3,030 NJ	6,070 NJ	2,040 NJ	3,890 NJ	12,700 NJ	7,070 NJ	12,400 NJ	10,000 NJ	5,260 NJ	52,400 NJ	17,100 NJ	3,100 NJ	16,600 NJ	17,800 NJ	
Lead	25	8.6	9.7 NJ	351 NJ	7.3	5.8 B	ND	5.5	1.6 B	ND	ND	7.8 BNJ	2.3 B	ND	5.1	2.9 BNJ	ND	9.2 NJ	11.2 B	3.9 B	ND	ND	
Nickel	100	2.3 B	29.4 B	7.0 B	6.0 B	ND	ND	6.0 B	ND	ND	ND	6.6 B	5.4 B	ND	27.0 B	2.3 B	ND	28.5 B	ND	ND	ND	ND	
Selenium	10	10.6	14.3 NJ	22.3 NJ	18.5	ND	ND	9.6 B	9.1 B	ND	ND	20.8 NJ	ND	ND	ND	ND	ND	14.3 NJ	49.0 B	10.3	ND	ND	
Silver	50	ND	2.6 BJ	3.1 BNJ	ND	12.8 BNJ	ND	ND	5.0 BNJ	8.0 BNJ	ND	9.3 BNJ	7.2 BNJ	10.3 BNJ	ND	ND	10.2 BJ	ND	28.1 BNJ	2.7 BNJ	7.9 BNJ	22.4 BNJ	
Vanadium	NS	ND	ND	9.7 B	4.2 B	ND	ND	3.2 B	ND	ND	ND	5.5 B	ND	ND	4.4 B	ND	ND	ND	ND	ND	ND	ND	
Zinc	2,000	19.9	13.3 B	2,650.0	13.9 B	29.7 B	8.3 B	43.9	10.8 B	39.8 B	8.2 B	39.3 B	107	32.8 B	5,160	13.0 B	42.6	14.5 B	111.0	16.4 B	37.4 B	132.0	
Total Cyanide	200	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	

Notes:
 ND: Compound not detected. NS: No Standard. (1): MW-12 is a Duplicate of MW-2N and MW-13 is a Duplicate of W-1S.

1,200 Analyte detected at concentration in excess of NYSDEC Class GA Groundwater Standard.

Organic Data Qualifiers:

J: Estimated Value.
 B: Analyte detected in blank as well as in the sample.
 D: Analyte detected in analysis at secondary dilution factor.

Inorganic Data Qualifiers:

J or B: Value greater than or equal to the instrument detection limit, but less than the quantitation limit.
 N: Spike sample recovery not within quality control limits.

above groundwater standards. The presence of these SVOCs in sample MW-6A may be related to the presence of floating free phase petroleum residuals, which were detected in the well during sampling and the well inspection survey.

- Total recoverable phenolic compounds were detected in all samples, with the exception of samples W-1S and W-MW-3N at concentrations in excess of NYSDEC Class GA groundwater standards. However, no individual phenolic compounds, which are identified by USEPA Method 8270 analyses, were detected in any of the groundwater samples where total recoverable phenolic compounds were detected.
- Pesticides, PCBs and cyanide were not detected in any shallow groundwater samples.
- A minimum of one metal was detected in all of the shallow groundwater samples at concentrations in excess of NYSDEC Class GA groundwater standards. Metals detected in shallow groundwater beneath the Site showed no discernable differences in concentrations or distribution.

3.4.7 July 2004 Groundwater Analytical Results – Deep Aquifer

Analytical results for groundwater samples collected from the deep aquifer (MW-4B, MW-5, MW-6B, MW-7, MW-8B, MW-9B, and MW-11B) during the July 2004 sampling event are presented on Table 3-15. A review of the analytical data indicated the following.

- VOCs were not detected in any deep groundwater samples at concentrations in excess of NYSDEC Class GA groundwater standards. Overall, only one VOC (carbon disulfide) was detected in one groundwater sample (MW-9B) at a minimal estimated concentration of 1 ppb.
- SVOCs were detected in two samples (MW-6B and MW-9B); however, concentrations were below groundwater standards.
- Total recoverable phenolic compounds were detected in one deep groundwater sample (MW-5) at a concentration in excess of the NYSDEC Class GA groundwater standard. However, no individual phenolic compounds, which are

identified by USEPA Method 8270 analyses were detected in this or any other deep aquifer groundwater sample. On 23 November 2004, well MW-5 was re-sampled for total recoverable phenolic compounds to verify the July 2004 sampling data. Results of the November 2004 sampling event indicated that total recoverable phenolic compounds were not detected in the groundwater sample.

- Pesticides, PCBs and cyanide were not detected in any deep groundwater samples.
- Metals (primarily iron) were detected in all of the deep groundwater samples at concentrations in excess of NYSDEC Class GA groundwater standards. Metals detected in deep groundwater beneath the Site showed no discernable differences in concentrations or distribution.

3.4.8 November 2005 Groundwater Analytical Results – Shallow Aquifer

Analytical results for groundwater samples collected from the shallow aquifer (MW-1S, MW-2S, MW-3S, MW-1, MW-2, MW-3, MW-4A, MW-6A, MW-8A, MW-9A, MW-10, MW-11A, MW-12A, MW-13, and MW-14) during the November 2005 sampling event are presented on Table 3-16. A review of the analytical data indicated the following.

- At least one VOC and as many as four were detected in seven of the fifteen shallow groundwater samples (MW-1, MW-2, MW-4A, MW-6A, MW-11A, MW-12A, and MW-13) at concentrations in excess of NYSDEC Class GA groundwater standards. VOCs were not detected in the remaining eight shallow groundwater samples (MW-3, MW-8A, MW-9A, MW-10, MW-14, MW-1S, MW-2S, and MW-3S). Groundwater impacted with VOCs above applicable standards was present in wells located along the western side (MW-1 and MW-6A), north central area (MW-12A and MW-13) and in the northeast corner (MW-2, MW-4A and MW-11A) of the north landfill (Figure 3-2). Monitoring wells located in these areas are generally downgradient of the north landfill fill mound and along defined groundwater flow paths. Shallow groundwater across the south landfill was not impacted by VOCs.

TABLE 3-16
2005 Groundwater Sample Analytical Results
VOCs, SVOCs and Metals
Crouse-Hinds Landfills

PARAMETER	NYSDEC Class GA Groundwater Standard (ppb)	SAMPLE ID													
		North Landfill													
		MW-1	MW-2	MW-3	MW-4A	MW-4B	MW-5	MW-6A	MW-6B	MW-7	MW-8A	MW-8B	MW-9A	MW-9B	
		Shallow Well	Shallow Well	Shallow Well	Shallow Well	Deep Well	Deep Well	Shallow Well	Deep Well	Deep Well	Shallow Well	Deep Well	Shallow Well	Deep Well	
Volatile Organic Compounds (ppb)															
Chloromethane	5	ND	ND	ND	1 J	ND	ND	1 J	ND	ND	ND	ND	ND	ND	
Chloroethane	5	180	ND	ND	ND	ND	ND	3 J	ND	ND	ND	ND	ND	ND	
Acetone	50	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
Benzene	1	4 J	7 J	ND	3 J	ND	ND	8 J	ND	ND	ND	ND	ND	ND	
Chlorobenzene	5	27	39	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
Ethylbenzene	5	ND	ND	ND	ND	ND	19	2 J	ND	ND	ND	ND	ND	ND	
Cyclohexane	NS	2 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
Isopropylbenzene	5	3 J	2 J	ND	ND	ND	ND	2 J	ND	ND	ND	ND	ND	ND	
1,4-Dichlorobenzene	3	4 J	8 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
1,2-Dichlorobenzene	3	2 J	2 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
Semi-Volatile Organic Compounds (ppb)															
4-Methylphenol	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
Naphthalene	10	ND	11	ND	ND	ND	ND	3 J	ND	ND	ND	ND	ND	ND	
2-Methylnaphthalene	NS	3 J	2 J	ND	ND	ND	ND	1 J	ND	ND	ND	ND	ND	ND	
Acenaphthylene	NS	ND	ND	ND	ND	ND	ND	0.8 J	ND	ND	ND	ND	ND	ND	
Acenaphthene	20	0.6 J	ND	0.3 J	1 J	ND	ND	1 J	ND	ND	ND	ND	ND	ND	
Dibenzofuran	NS	ND	ND	ND	0.5 J	ND	ND	0.7 J	ND	ND	ND	ND	ND	ND	
Fluorene	50	ND	ND	ND	1 J	ND	ND	3 J	ND	ND	ND	ND	ND	ND	
Phenanthrene	50	0.8 J	0.3	ND	ND	ND	0.3 J	6 DJ	ND	ND	ND	ND	ND	ND	
Anthracene	50	1 J	ND	ND	0.4 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	
Fluoranthene	50	ND	ND	ND	ND	ND	ND	12 DJ	ND	ND	ND	ND	ND	ND	
Pyrene	50	ND	ND	ND	ND	ND	ND	18 DJ	ND	ND	ND	ND	ND	ND	
Benzo(a)anthracene	*	ND	ND	ND	ND	ND	ND	5 DJ	ND	ND	ND	ND	ND	ND	
Chrysene	*	ND	ND	ND	ND	ND	ND	9 DJ	ND	ND	ND	ND	ND	ND	
Bis(2-Ethylhexyl)phthalate	5	ND	ND	ND	ND	ND	ND	20	ND	ND	ND	ND	ND	ND	
Benzo(b)fluoranthene	*	ND	ND	ND	ND	ND	ND	15 DJ	ND	ND	ND	ND	ND	ND	
Benzo(k)fluoranthene	*	ND	ND	ND	ND	ND	ND	15 DJ	ND	ND	ND	ND	ND	ND	
Benzo(a)pyrene	ND	ND	ND	ND	ND	ND	ND	9 DJ	ND	ND	ND	ND	ND	ND	
Indeno(1,2,3-cd)pyrene	*	ND	ND	ND	ND	ND	ND	6 DJ	ND	ND	ND	ND	ND	ND	
Benzo(ghi)perylene	NS	ND	ND	ND	ND	ND	ND	8 DJ	ND	ND	ND	ND	ND	ND	
Total Phenols	1	17	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
Metals (ppb)															
Cadmium	5	ND	0.7 B	ND	ND	ND	ND	0.52 B	ND	ND	ND	ND	37.5	ND	
Chromium	50	2.7 B	0.81 B	0.88 B	ND	ND	2.1 B	1.9 B	ND	ND	ND	ND	ND	ND	
Lead	25	2.4 B	5	7.9	ND	ND	1.8 B	3.4	ND	ND	ND	ND	ND	ND	
Selenium	10	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
Zinc	2,000	7.5 B	9.5 B	82.3	1.6 B	7.7 B	11.9 B	18.5 B	ND	4.8 B	2.3 B	6.8 B	105	5.4 B	

Notes:

ND: Compound not detected.

NS: No Standard.

(1) MW-13C is a duplicate of MW13 and MW 11C is a duplicate of MW-11A.

*: No groundwater standard for these analytes. However, there is a listed guidance value of 0.002 ppb.

1,200

Analyte detected at concentration in excess of NYSDEC Class GA Groundwater Standard.

Organic Data Qualifiers:

J: Estimated Value.

D: Analyte detected in analysis at secondary dilution factor.

Inorganic Data Qualifiers:

J or B: Value greater than or equal to the instrument detection limit, but less than the quantitation limit.

TABLE 3-16 (continued)
2005 Groundwater Sample Analytical Results
VOCs, SVOCs and Metals
Crouse-Hinds Landfills

PARAMETER	NYSDEC Class GA Groundwater Standard (ppb)	SAMPLE ID												
		North Landfill										South Landfill		
		MW-10 Shallow Well	MW-11A Shallow Well	MW-11B Deep Well	MW-11C (1)	MW-12A Shallow Well	MW-12B Deep Well	MW-13 Shallow Well	MW-13C (1)	MW-14 Shallow Well		MW-1S Shallow Well	MW-2S Shallow Well	MW-3S Shallow Well
Volatile Organic Compounds (ppb)														
Chloromethane	5	ND	3 J	ND	3 J	ND	ND	ND	ND	ND		ND	ND	ND
Chloroethane	5	ND	ND	ND	ND	ND	ND	ND	ND	ND		ND	ND	ND
Acetone	50	ND	ND	ND	ND	ND	3 J	ND	ND	ND		ND	ND	ND
Benzene	1	ND	7 J	ND	7 J	5 J	ND	2 J	2 J	ND		ND	ND	ND
Chlorobenzene	5	ND	ND	ND	ND	10	ND	ND	ND	ND		ND	ND	ND
Ethylbenzene	5	ND	ND	ND	ND	ND	ND	ND	ND	ND		ND	ND	ND
Cyclohexane	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND		ND	ND	ND
Isopropylbenzene	5	ND	ND	ND	ND	ND	ND	ND	ND	ND		ND	ND	ND
1,4-Dichlorobenzene	3	ND	ND	ND	ND	3 J	ND	ND	ND	ND		ND	ND	ND
1,2-Dichlorobenzene	3	ND	ND	ND	ND	ND	ND	ND	ND	ND		ND	ND	ND
Semi-Volatile Organic Compounds (ppb)														
4-Methylphenol	NS	ND	ND	ND	ND	1 J	ND	ND	ND	ND		ND	ND	ND
Naphthalene	10	ND	ND	ND	ND	ND	ND	ND	ND	ND		ND	ND	ND
2-Methylnaphthalene	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND		ND	ND	ND
Acenaphthylene	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND		ND	ND	ND
Acenaphthene	20	ND	0.8 J	ND	0.4 J	ND	ND	0.3 J	0.4 J	ND		ND	ND	ND
Dibenzofuran	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND		ND	ND	ND
Fluorene	50	ND	ND	ND	ND	ND	ND	ND	ND	ND		ND	ND	ND
Phenanthrene	50	ND	1 J	ND	1 J	0.2 J	ND	0.3 J	0.3 J	ND		ND	ND	ND
Anthracene	50	ND	0.6 J	ND	0.7 J	ND	ND	ND	ND	ND		ND	ND	ND
Fluoranthene	50	ND	ND	ND	ND	ND	ND	ND	ND	ND		ND	ND	ND
Pyrene	50	ND	ND	ND	ND	ND	ND	0.2 J	ND	ND		ND	ND	ND
Benzo(a)anthracene	*	ND	ND	ND	ND	ND	ND	ND	ND	ND		ND	ND	ND
Chrysene	*	ND	ND	ND	ND	ND	ND	ND	ND	ND		ND	ND	ND
Bis(2-Ethylhexyl)phthalate	5	ND	ND	ND	ND	ND	ND	ND	ND	ND		ND	ND	ND
Benzo(b)fluoranthene	*	ND	ND	ND	ND	ND	ND	ND	ND	ND		ND	ND	ND
Benzo(k)fluoranthene	*	ND	ND	ND	ND	ND	ND	ND	ND	ND		ND	ND	ND
Benzo(a)pyrene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		ND	ND	ND
Indeno(1,2,3-cd)pyrene	*	ND	ND	ND	ND	ND	ND	ND	ND	ND		ND	ND	ND
Benzo(ghi)perylene	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND		ND	ND	ND
Total Phenols	1	ND	ND	ND	ND	ND	ND	ND	ND	ND		ND	ND	ND
Metals (ppb)														
Cadmium	5	ND	ND	ND	ND	ND	0.39 B	ND	ND	ND		ND	0.42 B	ND
Chromium	50	3.5 B	1.3 B	ND	1.1 B	2.8 B	1.5 B	ND	ND	ND		ND	2.1 B	ND
Lead	25	ND	ND	ND	ND	ND	ND	3.4	6.6	ND		ND	ND	ND
Selenium	10	ND	ND	ND	ND	ND	ND	ND	ND	ND		ND	ND	ND
Zinc	2,000	143	9.3 B	2.2 B	6.4 B	12.3 B	20.6	4.8 B	8.7 B	1.6 B		4.2 B	ND	2.7 B

Notes:

ND: Compound not detected.

NS: No Standard.

(1) MW-13C is a duplicate of MW13 and MW 11C is a duplicate of MW-11A.

*: No groundwater standard for these analytes. However, there is a listed guidance value of 0.002 ppb.

1.200

Analyte detected at concentration in excess of NYSDEC Class GA Groundwater Standard.

Organic Data Qualifiers:

J: Estimated Value.

D: Analyte detected in analysis at secondary dilution factor.

Inorganic Data Qualifiers:

J or B: Value greater than or equal to the instrument detection limit, but less than the quantitation limit.

- SVOCs were detected in eight of the shallow well groundwater samples (MW-1; MW-2, MW-3, MW-4A, MW-6A, MW-11A, MW-12A, and MW-13).

Generally, concentrations of all SVOCs detected in the wells were low and below the NYSDEC Class GA groundwater standards. However, in samples MW-2 and MW-6A SVOCs were detected at concentrations above groundwater standards.

The presence of these SVOCs in sample MW-6A may be related to the presence of floating free phase petroleum residuals, which were detected in the well during sampling and the well inspection survey.

- Total recoverable phenolic compounds were detected in one sample (MW-1) at a concentration in excess of NYSDEC Class GA groundwater standards. Individual phenolic compounds, which are identified by USEPA Method 8270 analyses, were not detected in any of the groundwater samples.
- One metal (cadmium) was detected in one shallow groundwater sample (MW-9A) at a concentration in excess of NYSDEC Class GA groundwater standards. Metals detected in shallow groundwater beneath the Site showed no discernable differences in concentrations or distribution.

3.4.9 November 2005 Groundwater Analytical Results – Deep Aquifer

Analytical results for groundwater samples collected from the deep aquifer (MW-4B, MW-5, MW-6B, MW-7, MW-8B, MW-9B, MW-11B, and MW-12B) during the November 2005 sampling event are presented on Table 3-16. A review of the analytical data indicated the following.

- One VOC (ethylbenzene) was detected in one deep groundwater sample (MW-5) at a concentration in excess of NYSDEC Class GA groundwater standards. Overall, only one other VOC (acetone) was detected in one groundwater sample (MW-12B) at a minimal estimated concentration of 3 ppb, which is below the groundwater standard.
- One SVOC was detected in one sample (MW-5); however, the concentration was below groundwater standards. SVOCs were not detected in any other deep groundwater sample.

- Total recoverable phenolic compounds were not detected in any deep groundwater samples.
- Metals (primarily zinc) were detected in all of the deep groundwater samples at concentrations below NYSDEC Class GA groundwater standards. Metals detected in deep groundwater beneath the Site showed no discernable differences in concentrations or distribution.

3.5 *FWIA RESULTS*

The FWIA is presented in Attachment 4. A summary of findings presented in the FWIA indicated the following.

- The aquatic habitats located on the Site consist of emergent wetlands, one of which contains open water, and several drainage ditches. Ley Creek is located offsite and adjacent to or near the west side of the Site.
- The fishery resources are limited to Ley Creek, the open water within one wetland, and drainage ditches that convey water from the wetlands to Ley Creek. However, no fish species were observed in any of the aquatic habitats located on the Site. In addition, NYSDEC records indicate that Ley Creek, located adjacent to or near the Site, is a poor fishery due to existing impacts and degradation.
- The fishery resources of the Site are limited and have no value to humans. The other known fishery resource is Ley Creek, which is located adjacent to or near the west side of the Site. This resource is impacted and does not appear to support a viable population of fish that would be of interest to fisherman. Even if the creek supported a reproducing population of game fish, public access to the creek is limited. Therefore, Ley Creek has somewhat limited value to humans.
- The Site and surrounding area provides a small mosaic of wildlife habitats, which include old fields, shrub uplands, deciduous forests, and wetlands.
- The majority of wildlife species that occur in the area are those that find suitable habitat in relatively small, patchy blocks of one vegetation cover type (e.g., deer, rabbit, wild turkeys, etc). Given the surrounding land use is highly developed, the

Site acts as a green area in an area relatively devoid of wildlife species. The Site is used by resident wildlife species and by birds during migrational periods.

3.6 WETLAND DELINEATION

The Wetland Delineation Report is presented in Attachment 5. A summary of findings presented in the report indicated the following.

- Based on the NYSDEC wetlands maps there are no wetlands located onsite under the jurisdiction of New York State.
- Field mapping and review of available resources (air photos, soil survey maps, and wetland inventory maps) confirmed the presence of three wetlands, two streams, and one drainage ditch onsite that meet the criteria of federal jurisdictional water resources.
- Two wetland areas (Wetland A and B) and one stream section (Stream A) were identified on the north landfill. Wetland A is located along the eastern side of the north landfill and is 2.63 acres in size. Stream A is 675 feet in length and flows south out of the southern portion of Wetland A and parallel to the property boundary to the southeast corner of the north landfill where it then turns to the northwest and parallels Seventh North Street. At its terminus, the stream discharges into two twenty-four inch culverts, which carry flow beneath Seventh North Street and into a drainage ditch which is located along the north boundary of the south landfill. Drainage in the ditch flows west to Ley Creek where it discharges. Wetland B is located along the western side of the north landfill and the onsite portion is 2.61 acres in size. Wetland B occurs immediately adjacent to and within the flood plain of Ley Creek and extends offsite from the property boundary to Ley Creek.
- One wetland area (Wetland C), one stream section (Stream B), and one ditch were identified on the south landfill. Wetland C is located in the southern area of the south landfill and is 1.29 acres in size. Stream B is 1,825 feet in length and is located along the eastern side of the south landfill. The stream channel begins near the northeast corner of the landfill and runs parallel with the eastern edge of

the south landfill until it enters Wetland B. Upon entering Wetland B, the stream flows west and follows the northern edge of the wetland area until it discharges into Ley Creek. The drainage ditch is located along the northern boundary of the south landfill and Seventh North Street. The ditch is 1,075 feet in length and begins at the northeast corner of the south landfill. Flow in the ditch is to the west to its terminus where it discharges into Ley Creek. The ditch accepts discharge from a culvert pipe located at the head of the ditch and from the culvert pipes leading beneath the roadway from the north landfill (Stream A discharge).

4.0 SUMMARY AND CONCLUSIONS

This section summarizes the results of the PSA and SSA and also presents conclusions supported by the data and recommendations for additional work, which may be required to fill data gaps.

4.1 SOIL INVESTIGATION

The results obtained for soil investigation activities conducted during the PSA and SSA indicated the following.

- Industrial fill material consisting primarily of foundry sand with miscellaneous amounts of foundry core butts, foundry molds, metal debris, wood debris, and miscellaneous industrial debris was encountered from grade to depths of up to 17 feet below grade in test pits located across the north landfill. This material generally exhibited an oily nature (degraded oily odor and black oily appearance). Cover material on top of the fill material consisted of a thin organic layer that supported a vegetative cover. The thickness of the industrial fill observed across the north landfill ranged from 3 feet to 17 feet. Generally, the fill material was thicker across the northern half of the landfill and along the northeast and northwest sides of the landfill where fill was observed to be mounded above the surrounding topography. Fill thickness generally decreased with movement off of the fill mound and towards the southern area of the landfill where the topography is flatter. Materials underlying the majority of the industrial fill generally consisted of peat deposits; however, limited sand and gravel deposits were also observed in several test pits located in the northeast area of the landfill.
- Material consisting of industrial fill, municipal fill, which consisted of paper, glass bottles, plastic, wood, metal cans, metal debris, and general municipal refuse, or a mixture of both fill types was encountered from grade to depths of greater than 20 feet below grade in test pits located across the south landfill. The industrial fill material generally exhibited an oily nature (degraded oily odor and black oily appearance). Cover material on top of the fill material consisted of a

thin organic layer that supported a vegetative cover. The thickness of the fill material observed across the south landfill varied between 0 feet and 19 feet. The thickness of fill materials observed in the central area of the landfill was generally several feet greater (11.5 feet to 15+ feet) than that observed in test pits located along the perimeter of the landfill (average of 8 feet). Delineation of areas of industrial fill versus areas of municipal fill was not possible given the expanse of the fill mass and mixing of materials that was observed. Materials underlying the fill material beneath the landfill generally consisted of peat deposits, with the exception of silt and clay deposits, which were encountered in the area of TP-19.

- The horizontal limits of the fill material located across the Site were defined during the PSA. Field observations indicated that fill materials located across the north landfill extended up to the property boundaries and up to and into mapped wetland and stream features. Fill materials were also observed to extend beyond the north landfill's property boundaries to the north and west and into mapped wetland and stream features located on the east and west sides of the landfill. The presence of railroad tracks to the east, and Seventh North Street to the south appears to have limited the extent of fill materials in these areas to within the landfill's property boundaries. Field observations also indicated that fill materials located across the south landfill extended to within 5 feet and 10 feet of the landfill's northern property boundary and up to and into mapped wetland and stream boundaries. Fill materials were observed to extend into mapped wetland and stream features located on the east and south sides of the landfill and to the edge of Ley Creek to the west. The presence of railroad tracks to the east, Seventh North Street to the north, and Ley Creek to the west appears to have limited the extent of fill materials in these areas to within the landfill's property boundaries.
- The vertical limits of fill materials located across the majority of the Site were defined during the PSA. Field observations indicated that the thickness of the industrial fill across the north landfill was greater across the northern half of the landfill, where mounding of fill was evident, versus the southern half of the landfill, where topography was flat. Thickness of fill material across the south

landfill was determined to be greater in the interior of the landfill where mounding was evident with respect to the surrounding topography.

- Soil borings and test pits installed across the Site confirmed the presence of several distinct geologic units and two aquifers (shallow and deep) beneath the Site, which had also been identified by others during previous hydrogeologic investigations at the Site. The units observed consisted of a layer of fill (industrial and/or municipal) overlying peat deposits that were mixed with miscellaneous amounts of sand. The shallow water table aquifer occurred in this unit. Materials underlying the shallow aquifer consisted of a confining layer composed of a mixture of dense silt and clay, which was underlain by a water-bearing sand and gravel unit. The sand and gravel unit comprises the deep aquifer, and is under artesian conditions.
- VOCs were detected in seven test pit samples (TP-4, TP-30, TP-35, TP-42, TP-48, TP-49, and TP-55) at concentrations in excess of NYSDEC TAGM 4046 recommended soil cleanup objectives. VOCs were detected in all of the remaining test pit and surface soil samples; however, concentrations were below soil applicable cleanup objectives, and showed no discernible pattern of distribution across the Site.
- A minimum of one SVOC was detected in all surface soil samples and all but five test pit samples (TP-18, TP-30, TP-32, TP-38, and TP-58), at concentrations in excess of TAGM 4046 recommended soil cleanup objectives. Phenolic compounds were detected in nineteen test pit samples (TP-3 to TP-12, TP-16, TP-21, TP-26, TP-30, TP-34, TP-35, TP-OW-2, TP-45, and TP-48) and in five surface soil samples (SS-4, SS-6 to SS-8 and SS-10) where industrial fill containing foundry sand was mainly present. Samples from areas where municipal fill was mainly present (TP-13 to TP-15, TP-17 to TP-19, SS-1 to SS-3, and SS-5) did not contain phenolic compounds. In addition, samples collected from test pits where industrial fill was present (TP-1 to TP-12, TP-16, TP-21, TP-23, TP-26, TP-28, TP-30, TP-32, TP-34, TP-35, TP-OW-2, TP-38, TP-40, TP-42, TP-44, TP-46, TP-48, TP-53, TP-55, and TP-58) generally contained higher concentrations of SVOCs with respect to samples from test pits where municipal fill was mainly present. Based on the analytical data, the distribution of phenolic

compounds in fill across the Site and the distribution of higher concentrations of SVOCs in the test pit samples across the Site appear to be related to the presence of industrial fill containing foundry sand, which appeared to contain degraded oils.

- Pesticides detected in test pit and surface soil samples were at concentrations below TAGM 4046 recommended soil cleanup objectives. Concentrations of pesticides detected were minimal and showed no discernible pattern of distribution across the Site.
- PCBs were detected in one surface soil sample (SS-1), which was located near the eastern bank of Ley Creek at a total concentration slightly in excess of TAGM 4046 recommended soil cleanup objectives for total PCBs. PCBs were detected in 6 additional surface soil samples and 16 test pit samples; however, concentrations were below soil cleanup objectives. No discernable pattern of PCB distribution across the Site was observed. **Note:** Detailed discussions with plant personnel, along with detailed file reviews, indicate that there is no known history of PCB use at the Crouse-Hinds facility. The source of detected PCBs is unknown. Crouse-Hinds personnel have stated that past flooding of Ley Creek onto the Site, especially along the east bank of Ley Creek may be a possible source of PCBs to the Site as sediments in Ley Creek have been documented to contain PCBs.
- A minimum of three metals were detected in all test pit and surface soil samples at concentrations in excess of TAGM 4046 recommended soil cleanup objectives. No discernable pattern of distribution across the Site was observed.
- Waste characterization analytical data for 10 soil samples collected from test pits indicated that concentrations of contaminants detected (metals) were below the minimum concentrations for the toxicity characteristic and the soil samples did not exhibit hazardous characteristics. Therefore, subsurface soils and materials across the Site were determined to be non-hazardous by nature.
- Overall, the analytical data supports the known non-hazardous waste disposal history at the Site. In areas where foundry sand and industrial fill are present, there is an occurrence of analytes (phenolic compounds, SVOCs, and metals), which are typically associated with foundry operations. Mold release oils

containing phenolic compounds, SVOCs in the mold release oils, and metals from shavings, filings, and core butts can all be attributed to the known industrial wastes disposed of at the Site. In areas of the Site where municipal fill was disposed, SVOCs and metals, which are typically associated with these types of wastes, were detected.

4.2 *HYDROGEOLOGIC INVESTIGATION*

The results obtained for hydrogeologic investigation activities conducted during the PSA and SSA indicated the following.

- A shallow water table aquifer system located in the peat and fill deposits and a deep confined groundwater flow system located in sand and gravel deposits are located beneath the Site. The deep aquifer system is separated from the overlying shallow aquifer by a continuous confining layer of silt and clay deposits of varying thickness. The deep aquifer is under artesian conditions.
- Throughout the year groundwater flow in the shallow aquifer across the Site is generally to the west towards Ley Creek; however, in the northeast corner of the Site (area of wells MW-2, MW-4A and MW-11A) and near the southeast corner of the north landfill (area of MW-8A) groundwater flow direction appears to be towards the east in the direction of wetlands and streams that are located immediately adjacent to wells in that area of the Site. During 2004 (July and November) and early 2005 (February and May) groundwater data indicated that groundwater flow across the north landfill appeared to be deflected near the center of the landfill. This deflection appeared to be related to topography changes in the area, which are related to the presence of a fill mound to the north and a drop in thickness of the mound towards the south. The slope of the fill mound transitions to flatter areas of the Site in the central area of the north landfill, where the contour and flow deflections across the groundwater surface are most notable. In 2005, following installation of monitoring wells MW-13 and MW-14 and observation wells OW-1 to OW-4 flow direction across the central area of the north landfill was further defined and data indicated that shallow groundwater

flow direction was radially outward to the east, south, and west from the mounded area of the landfill. Additionally, the data indicated that groundwater gradients were steeper along the slopes of the mound as it transitioned to flatter areas of the north landfill. The data also indicated that there were no seasonal variations in groundwater flow direction or gradients observed in the shallow aquifer.

- Groundwater in the deep aquifer is under artesian conditions and exhibits an upward vertical gradient. Groundwater flow in the deep aquifer across the north landfill section of the Site is radially outward (northeast to northwest) from the area of MW-5 and MW-6B. Based on available data, groundwater flow conditions in the deep aquifer remain relatively constant throughout the year.
- Observations of test pits installed downgradient of well MW-6A indicated that water, which had accumulated in the test pits, did not have petroleum sheens or accumulation of free floating product on the water surface. Subsequent monitoring of well MW-6A and upgradient observation wells (OW-1 to OW-4), indicated that free phase petroleum product was detected in well MW-6A at thicknesses of between 0.6 feet to 0.95 feet during monitoring events. At the same time no sheens or free floating petroleum product was observed in any of the upgradient observation wells. Therefore, it appears that the source of free phase petroleum observed in well MW-6A is localized to within the immediate area of the well. Additionally, the data indicates that an upgradient source area and/or downgradient impacts are not present onsite.
- VOCs were detected in five shallow groundwater samples (MW-1N, MW-2N, MW-4A, MW-6A and MW-11A) collected during the July 2004 sampling event and in seven shallow groundwater samples (MW-1, MW-2, MW-4A, MW-6A, MW-11A, MW-12A, and MW-13) collected during the November 2005 sampling event at concentrations in excess of NYSDEC Class GA groundwater standards. These samples were collected from monitoring wells located along the western side (MW-1 and MW-6A), north central area (MW-12A and MW-13) and in the northeast corner (MW-2, MW-4A, and MW-11A) of the north landfill. Monitoring wells located in these areas are generally downgradient of the north landfill and along defined groundwater flow paths. Shallow groundwater across the south landfill was not impacted by VOCs. Additionally, with the exception of

deep groundwater sample (MW-5) collected during the November 2005 sampling event, groundwater samples from the deep aquifer were not impacted by VOCs.

- SVOCs were detected in all shallow groundwater samples, with the exception of samples W-1S and MW-3N and two deep groundwater samples (MW-6B and MW-9B) collected during the July 2004 sampling event and in eight shallow groundwater samples (MW-1 to MW-3, MW-4A, MW-6A, MW-11A, MW-12A, and MW-13) and one deep groundwater sample (MW-5) collected during the November 2005 sampling event. Concentrations of detected SVOCs were below the NYSDEC Class GA groundwater standards, with the exception of those detected in shallow well MW-6A. The presence of SVOCs in well MW-6A appears to be related to the presence of floating free phase petroleum residuals, which were detected in the well. The presence of SVOCs in groundwater samples from the shallow aquifer beneath the Site is consistent with the presence of these analytes in test pit soils where industrial fill was present.
- Total recoverable phenolic compounds were detected in all of the shallow groundwater samples, with the exception of W-1S and MW-3N, and one deep aquifer groundwater sample (MW-5) collected during the July 2004 sampling event and in one shallow groundwater sample (MW-1) collected during the November 2005 sampling event at concentrations in excess of NYSDEC Class GA groundwater standards. Individual phenolic compounds were not detected in any of the shallow or deep groundwater samples collected during either sampling event. The presence of total recoverable phenolic compounds in groundwater samples from the shallow aquifer beneath the Site is consistent with the presence of these analytes in test pit soils where industrial fill was present. The presence of phenols in groundwater sample MW-5 (July 2004) from the deep aquifer suggests that the well seal was compromised, which would allow contaminants to migrate to the lower aquifer along the well casing (**Note:** Well MW-5 was abandoned and reinstalled during the 2005 SSA). Variations in reported concentrations of total recoverable phenolic compounds between the July 2005 and November 2005 sampling events are addressed in a correspondence to NYSDEC dated 27 March 2006 (Attachment 6).

- Pesticides, PCBs and cyanide were not detected in any shallow aquifer or deep aquifer groundwater samples that were collected during the July 2004 sampling event. Historically, PCBs have not been detected in any of the groundwater samples even in well MW-6A where free phase petroleum is present.
- A minimum of one metal was detected in all of the shallow and deep aquifer groundwater samples, collected during the July 2004 sampling event, at concentrations in excess of NYSDEC Class GA groundwater standards. During the November 2005 sampling event, only one metal was detected in one shallow well sample (MW-9) at a concentration in excess of applicable groundwater standards. Metals in excess of the groundwater standards were not detected in the deep well samples during this sampling event. Metals detected in shallow and deep groundwater beneath the Site showed no discernable differences in concentrations or distribution during either sampling event.
- Overall, the analytical data indicate that shallow groundwater in downgradient areas of the Site is impacted by VOCs, SVOCs and metals at concentrations above applicable groundwater standards. The occurrence of these analytes in shallow groundwater suggests that the detected analytes are leaching from the fill materials contained in the landfills, where they were also detected in soil samples, to the shallow groundwater system. Leaching of these analytes to the shallow groundwater system may be enhanced since saturated fill material comprises a portion of the shallow groundwater system and also because the fill material directly overlies the saturated zone. Groundwater in the deep aquifer does not appear to be impacted.
- To the best of our knowledge, there are no downgradient receptors for groundwater from the shallow and/or deep aquifers in the area surrounding the Site. Groundwater in the area is not used as a drinking water supply source in the area surrounding the Site. Potable water in the area is supplied by the Onondaga County Water Authority.

4.3 *SURFACE WATER INVESTIGATION*

The results obtained for surface water investigation activities conducted during the PSA and SSA indicated the following.

- During site reconnaissance activities, an attempt was made to locate an old storm sewer that was reportedly used in the past to discharge process water from the Crouse-Hinds facility on and/or near the Site. Reconnaissance performed across the Site was unable to confirm the presence of this feature either onsite or along the banks of Ley Creek.
- Surface waters were present across two areas of the north landfill (See Section 4.6 for additional details). The first area consists of a wetland, which is located along the majority of the west side of the landfill. This wetland occurs immediately adjacent to and within the flood plain of Ley Creek and extends offsite to Ley Creek. The second area consists of an interconnected wetland and stream, which are located along the entire east side of the landfill. Surface water flow into the onsite wetland is primarily from an offsite wetland area, which is located to the north of the Site. Flow from this offsite wetland enters the eastern onsite wetland at the northeast corner of the landfill. Surface water flow then proceeds into the onsite wetland area and is drained by a stream, which begins near the east center side of the landfill. Flow in the stream proceeds south towards the southeast corner of the landfill where it briefly turns west and then discharges into two culvert pipes that lead beneath Seventh North Street. These culvert pipes discharge into a drainage ditch that borders the north boundary of the south landfill. Flow in this ditch is to the west and parallel with Seventh North Street until it discharges into Ley Creek near the bridge that passes over Ley Creek.
- Surface waters were present across two areas of the south landfill (See Section 4.6 for additional details). The first area is the drainage ditch noted above. Flow in this ditch originates at a culvert pipe located near the northeast corner of the south landfill. The culvert pipe appears to lead to the northeast beneath Seventh North Street and the adjacent railroad tracks. The source of discharges from the pipe are unknown. The second area consists of an interconnected stream and wetland area

that is located along the eastern and southern sides of the landfill. Flow in the stream, which appears to be fed by surface water runoff from the landfill is to the south along the east side of the landfill until it discharges into the southern wetland area. Flow from the wetland area was observed to discharge to Ley Creek via a thirty-six inch culvert pipe, which is located near the southwest corner of the landfill.

- According to USGS records for the stream gauging station located downstream of the Site, the daily mean discharge of Ley Creek on 9 June 2004 when surface water samples were collected was 24 feet³/second. This flow rate was below the mean of daily mean flow rates (25.6 feet³/second), which were measured on 9 June over the past 31 years. Based on this information it can be concluded that flow conditions in Ley Creek at the time of surface water sampling were slightly below normal.

4.3.1 Ley Creek

The results obtained for surface water investigation activities conducted in Ley Creek during the PSA indicated the following.

- One VOC (total 1,2-Dichloroethene) was detected in all samples at low concentrations, which were similar in the upstream versus downstream samples. Since this analyte was not detected in surface soil, subsurface soil, leachate, or groundwater samples onsite, the source cannot be attributed to the Site.
- One SVOC (Bis (2-Ethylhexyl) phthalate) and one metal (iron) were detected in all surface water samples collected in Ley Creek at concentrations slightly in excess of the NYSDEC Class C surface water standards. Concentrations of SVOCs detected in upstream sample (SW-4) and downstream samples (SW-1 to SW-3) showed no discernable differences in concentrations or distribution along Ley Creek. However, concentrations of metals detected in the upstream surface water sample (SW-4), generally were higher than those detected in the downstream surface water samples (SW-1 to SW-3). As there were no direct discharges of surface waters to Ley Creek observed near the surface water

sampling points, the source of impacts to surface waters in Ley Creek cannot be attributed to the Site.

- PCBs (Aroclor 1242) were detected in the upstream surface water sample (SW-4) at a concentration in excess of the NYSDEC Class C surface water standard. PCBs were not detected in the downstream surface water samples (SW-1 to SW-3); therefore, the source of PCBs in surface water is attributable to areas upstream of the Site.
- Overall the analytical data indicate that the Site is not impacting surface water quality in Ley Creek.

4.3.2 Eastern Site Surface Waters

The results obtained for surface water investigation activities conducted in the eastern wetlands and streams during the SSA indicated the following.

- One VOC (methylene chloride) was detected in sample SW-16, which was collected in the wetland area on the east side of the north landfill at a concentration in excess of the NYSDEC Class C surface water standard. In addition, nine additional VOCs were detected in this sample; however, concentrations of these VOCs were below applicable standards. The presence of numerous VOCs in this sample along with its proximity to test pit TP-4 where similar VOCs were detected at elevated concentrations suggests that surface waters in this area of the wetland are being minimally impacted by materials present in the north landfill.
- SVOCs were not detected in any of the surface water samples (SW-15 to SW-19) collected on the north landfill. SVOCs were detected in four surface water samples (SW-10, SW-11, SW-13, and SW-14) collected on the south landfill; however, concentrations were below NYSDEC Class C surface water standards. Phenolic compounds were not detected in any surface water sample.
- Three metals were detected in two surface water samples (SW-10 and SW-11) collected on the south landfill and two surface water samples (SW-16 and SW-17) collected on the north landfill at concentrations in excess of NYSDEC Class C

surface water standards. These metals are similar to ones detected in soil samples collected onsite and suggest that these metals are leaching to surface waters located along the eastern side of the Site.

- Overall the analytical data indicate that the eastern surface waters of the Site are minimally impacted in several locations by primarily metals, which are likely leaching from the fill materials contained in the landfill.

4.3.3 *Leachate*

- Two areas were observed on the Site where discharge of leachate was occurring. The first area was located near a wet area along the base of the eastern flank of the south landfill. Discharge from the seep was to the stream located along the east side of the landfill. The second area was located in a wet area near the center of the north landfill where water was ponding. Discharge from the seep was by overland flow to the west across the north landfill. This seep did not discharge into an onsite water body.
- VOCs were detected in leachate samples L-1 and L-2, and cyanide was detected in sample L-1 at concentrations significantly below Class D surface water standards.
- SVOCs were detected in both leachate samples. Concentrations of total recoverable phenolic compounds in both samples were above Class D surface water standards. The presence of these compounds in the leachate is consistent with the presence of industrial fill in areas where these samples were collected.
- Pesticides and PCBs were not detected in any leachate sample.
- Iron was detected in both leachate samples at a concentration above Class D surface water standards. The presence of iron in the samples is consistent with the types of materials present onsite.
- VOCs, SVOCs and metals detected in the leachate samples were similar to those detected in soil samples collected onsite. However, analytical data indicate that impacts from the two small leachate seeps at the Site is minimal and does not present a threat to onsite surface water quality. Leachate was not observed to directly discharge to Ley Creek.

4.4 SEDIMENT INVESTIGATION

The results obtained for sediment investigation activities conducted in Ley Creek during the PSA indicated the following.

4.4.1 *Ley Creek*

- VOCs were detected in all sediment samples at concentrations that were well below NYSDEC sediment screening values. VOCs detected in the upstream versus downstream samples showed no discernable differences in concentrations or distribution along Ley Creek; therefore, it does not appear that VOCs from the Site are impacting sediment quality in Ley Creek.
- Six SVOCs were detected in all sediment samples in excess of the human health bioaccumulation sediment screening values. In addition, concentrations of one SVOC were detected in samples SED-1 to SED-4 in excess of the benthic aquatic life chronic toxicity screening values. Generally, concentrations of SVOCs detected in downstream samples were just slightly higher than those detected in the upstream sample.
- PCB Aroclors 1242, 1254 and 1260 were detected in all sediment samples collected in Ley Creek. Concentrations of Aroclors 1242, 1254, and 1260 exceeded the human health and wildlife bioaccumulation screening values for all samples.. Concentrations of Aroclor 1242 detected in samples SED-1 to SED-4 and Aroclor 1254 detected in samples SED-2 to SED-4 exceeded the benthic aquatic life chronic toxicity screening values. Concentrations of total PCBs exceeded the human health bioaccumulation, benthic aquatic life chronic toxicity, and wildlife bioaccumulation screening values for all samples. Concentrations of PCBs detected in sediment samples at upstream and downstream locations were similar in concentration and showed no discernable differences in concentration between any of the sampling locations. PCB impacts in sediment in Ley Creek were documented in 1996 and 1997, during sampling conducted by others. Available data obtained from NYSDEC for Ley Creek and upstream tributaries establishes the presence of PCBs impacts in sediment upstream, adjacent to, and

downstream of the Site (Attachment 7). Available data indicated that concentrations of PCBs in sediment upstream of the Site are higher than those detected adjacent to, and downstream of the Site. PSA sampling data indicated that PCBs were detected in soils onsite; however, concentrations were significantly lower than those detected in sediment samples in Ley Creek during the PSA. The lack of observable erosion channels across the landfills that could transport fill offsite via surface water sheet flow, and the presence of documented impacts of PCBs in Ley Creek upstream of the Site strongly suggests that the PCBs detected in sediment samples collected in Ley Creek during the PSA are not attributable to the Site. The likely source of PCBs in the sediment samples is downstream transport of sediments in Ley Creek from documented upgradient sources of PCB contamination.

- Metals were detected in all sediment samples at concentrations, which exceeded sediment-screening values for lowest and severe effect levels. Concentrations of metals detected in sediment samples at upstream and downstream locations were similar in concentration and showed no discernable differences in concentration between any of the sampling locations. The lack of observable erosion channels across the landfills that could transport fill offsite via surface water sheet flow suggests that the metals detected in sediment samples collected in Ley Creek during the PSA are not attributable to the Site. The likely source of metals in sediment samples is downstream transport of sediments in Ley Creek from upgradient sources, such as the Town of Salina Landfill.

4.4.2 Eastern Site Sediment

The results obtained for sediment investigation activities conducted in the eastern wetlands and streams during the SSA indicated the following.

- VOCs were detected in three sediment samples (SED-12, SED-15, and SED-16) at concentrations significantly below NYSDEC sediment screening values therefore; it does not appear that VOCs from the Site are significantly impacting sediment quality in the eastern areas of the Site.

- Up to six SVOCs were detected in all samples in excess of the human health bioaccumulation screening values. In addition, concentrations of one SVOC were detected in six samples (SED_10, SED-11, SED-13, SED-14, SED-18, and SED-19) in excess of the benthic aquatic life chronic toxicity screening values. Concentrations of SVOCs detected in sediment samples along the eastern side of the Site were generally slightly higher in downstream samples along both landfills.
- Up to three PCB Aroclors (1248, 1254 and 1260) were detected in all sediment samples. In each sediment sample, at least one Aroclor was detected at a concentration in excess of two or more of the applicable sediment screening values. Concentrations of total PCBs in each sample exceeded at least two or more of the applicable sediment screening values.
- Concentrations of PCBs detected in sediment samples SED-15, SED-16 and SED-17, which were collected in the wetland area located along the east side of the north landfill were the highest detected in all sediment samples collected onsite. Concentrations of total PCBs in these samples ranged from 17.9 ppm (SED-17) to 101 ppm (SED-16). Concentrations of PCBs detected in sediment samples collected in the stream reach draining the wetland showed decreasing concentrations of PCBs (4.3 ppm at SED-18 and 0.69 ppm at SED-19) with distance downstream of the wetland area. Concentrations of PCBs detected in sediment samples SED-10 and SED-11, which were collected in the stream reach located along the east side of the south landfill were lower (0.32 ppm to 0.51 ppm, respectively) with respect to concentrations detected in samples collected from the downstream wetland area (SED-12 to SED-14) to which the stream discharges. Concentrations of total PCBs in samples collected in the wetland area ranged from 1.15 ppm (SED-13) to 2.8 ppm (SED-12).
- Metals were detected in all sediment samples at concentrations which exceeded sediment screening values for lowest and severe effect levels. Generally, concentrations of metals detected in sediment samples at upstream and downstream locations were similar and showed no discernable differences between any of the sampling locations.

- Overall the analytical data indicate that sediments in the eastern area of the Site have been impacted by SVOCs, PCBs, and metals. The likely source of some of these analytes may be from fill materials contained in both landfills. However, another likely source for these analytes in the surface waters on the north landfill would be from impacted offsite surface waters that discharge to the north landfill's wetland areas. Site's located upgradient of the north landfill, such as the Town of Salina Landfill and Ley Creek are known to be impacted and could be contributors to impacts in this area of the Site.

4.5 *FWIA*

The results obtained for FWIA activities conducted during the PSA indicated the following.

- The fishery resources of the Site are limited and have no value to humans. The other known fishery resource is Ley Creek, which is located adjacent to or near the west side of the Site. This resource is impacted and does not appear to support a viable population of fish that would be of interest to fisherman. Even if the creek supported a reproducing population of game fish, public access to the creek is limited. Therefore, Ley Creek has somewhat limited value to humans.
- The majority of wildlife species that occur in the area are those that find suitable habitat in relatively small, patchy blocks of one vegetation cover type (e.g., deer, rabbit, and wild turkey). Given the surrounding land use is highly developed, the Site acts as a green area in an area relatively devoid of wildlife species. The Site is used by resident wildlife species and by birds during migrational periods. The primary value of wildlife to humans would be as a resource to bird watchers in other areas besides New York State.

4.6 *WETLAND DELINEATION*

The results obtained for wetland delineation activities conducted during the SSA indicated the following.

- There are no wetlands located onsite under the jurisdiction of New York State; however, three wetlands, two streams, and one drainage ditch located onsite meet the criteria of federal jurisdictional water resources.
- Two wetland areas and one stream section were identified on the north landfill. Wetland A is located along the eastern side of the north landfill and is 2.63 acres in size. Stream A is 675 feet in length and flows south out of the southern portion of Wetland A and parallel to the property boundary to the southeast corner of the north landfill where it then turns to the northwest and parallels Seventh North Street. At its terminus, the stream discharges into two twenty-four inch culverts, which carry flow beneath Seventh North Street and into a drainage ditch which is located along the north boundary of the south landfill. Drainage in the ditch flows west to Ley Creek where it discharges. Wetland B is located along the western side of the north landfill and the onsite portion is 2.61 acres in size. Wetland B occurs immediately adjacent to and within the flood plain of Ley Creek and extends offsite from the property boundary to Ley Creek.
- One wetland area, one stream section, and one ditch were identified on the south landfill. Wetland C is located in the southern area of the south landfill and is 1.29 acres in size. Stream B is 1,825 feet in length and is located along the eastern side of the south landfill. The stream channel begins near the northeast corner of the landfill and runs parallel with the eastern edge of the south landfill until it enters Wetland B. Upon entering Wetland B, the stream flows west and follows the northern edge of the wetland area until it discharges into Ley Creek. The drainage ditch is located along the northern boundary of the south landfill and Seventh North Street. The ditch is 1,075 feet in length and begins at the northeast corner of the south landfill. Flow in the ditch is to the west to its terminus where it discharges into Ley Creek. The ditch accepts discharge from a culvert pipe located at the head of the ditch and from the culvert pipes leading beneath the roadway from the north landfill (Stream A discharge).

4.7 *RECOMMENDATIONS*

Based on findings of the PSA and SSA there is an additional sampling activity recommended to better delineate the contaminated sediments in Wetland A.

- Additional sediment sampling is recommended in the wetland and stream reach located on the east side of the north landfill to define the extent of PCBs impacts in this area of the Site.

ATTACHMENT 1

DATA USABILITY SUMMARY REPORT



Data Validation

Environmental Chemistry

Lab and Field Audits

Sampling Plans

July 26, 2004

Mr. Mark Schumacher
InteGreyted International, LLC
104 Jamesville Road
Syracuse, New York 13204

Re: Data Validation Report
Cooper Project
June 2004 Sampling Event

Dear Mr. Schumacher:

The data validation summaries are attached to this letter for the Cooper Project, June 2004 sampling event. The data for STL Newburgh, STL Lab Nos. 237118 and 237194, and STL Burlington, SDG: 100771, were mostly acceptable with some issues that are identified and discussed in the validation summaries. Both STL Newburgh data packs contained data that were qualified unusable (R). The individual QA/QC reviews contain the explanation for rejecting the data, based solely on the validation guidance criteria. The rejected data may be determined to be acceptable to the user based on additional information that is not contained in the data validation criteria.

A list of common data validation acronyms is attached to this letter to assist you interpreting the validation summaries. If you have any questions concerning the work performed, please contact me at (518) 348-6995. Thank you for the opportunity to assist InteGreyted International, LLC.

Sincerely,
Alpha Environmental Consultants, Inc.

Donald Anné
Senior Chemist

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Data Validation Acronyms

AA	Atomic absorption, flame technique
BHC	Hexachlorocyclohexane
BFB	Bromofluorobenzene
CCB	Continuing calibration blank
CCC	Calibration check compound
CCV	Continuing calibration verification
CN	Cyanide
CRDL	Contract required detection limit
CRQL	Contract required quantitation limit
CVAA	Atomic adsorption, cold vapor technique
DCAA	2,4-Dichlophenylacetic acid
DCB	Decachlorobiphenyl
DFTPP	Decafluorotriphenyl phosphine
ECD	Electron capture detector
FAA	Atomic absorption, furnace technique
FID	Flame ionization detector
FNP	1-Fluoronaphthalene
GC	Gas chromatography
GC/MS	Gas chromatography/mass spectrometry
GPC	Gel permeation chromatography
ICB	Initial calibration blank
ICP	Inductively coupled plasma-atomic emission spectrometer
ICV	Initial calibration verification
IDL	Instrument detection limit
IS	Internal standard
LCS	Laboratory control sample
LCS/LCSD	Laboratory control sample/laboratory control sample duplicate
MSA	Method of standard additions
MS/MSD	Matrix spike/matrix spike duplicate
PID	Photo ionization detector
PCB	Polychlorinated biphenyl
PCDD	Polychlorinated dibenzodioxins
PCDF	Polychlorinated dibenzofurans
QA	Quality assurance
QC	Quality control
RF	Response factor
RPD	Relative percent difference
RRF	Relative response factor
RRF(number)	Relative response factor at concentration of the number following
RT	Retention time
RRT	Relative retention time
SDG	Sample delivery group
SPCC	System performance check compound
TCX	Tetrachloro-m-xylene
%D	Percent difference
%R	Percent recovery
%RSD	Percent relative standard deviation

Data Validation Qualifiers Used in the QA/QC Reviews for USEPA Region II

- U = Not detected. The associated number indicates the approximate sample concentration necessary to be detected significantly greater than the level of the highest associated blank.
- R = Unreliable result; data is rejected or unusable. Analyte may or may not be present in the sample. Supporting data or information is necessary to confirm the result.
- N = Tentative identification. Analyte is considered present. Special methods may be needed to confirm its presence or absence during future sampling efforts.
- J = Analyte is present. Reported value may be associated with a higher level of uncertainty than is normally expected with the analytical method.
- UJ = Not detected, quantitation limit may be inaccurate or imprecise.

Note: These qualifiers are used for data validation purposes. The data validation qualifiers may differ from the qualifiers that the laboratory assigns to the data. Refer to the laboratory analytical report for the definitions of the laboratory qualifiers.



Data Validation

Environmental Chemistry

Lab and Field Audits

Sampling Plans

Data Usability Summary Report for
STL Newburgh, STL Lab No. 237118

Soil Samples
Collected June 7 and 8, 2004

Prepared by: Donald Anné
July 26, 2004

The data packages contain the documentation required by NYSDEC ASP. The proper chain of custody procedures were followed by the samplers. All information appeared legible and complete. The data packs contained the results of volatile, semi-volatile, pesticide, PCB, metal, and cyanide analyses.

The overall performances of the analyses are acceptable. STL Newburgh did fulfill the requirements of the analytical methods.

The data generally are acceptable with some issues that are identified in the accompanying data validation reviews. The following data were flagged:

- The volatile results reported as "not detected" for 2-chloroethylvinylether were flagged "unusable" (R) because the response factors were below 0.050.
- There were volatile results for some compounds in samples TP-5, TP-4, and TP-9 that were quantitated using data that were extrapolated beyond the highest calibration standard and flagged "E" by the laboratory. Results for these compounds marked "E" in the undiluted sample were qualified as estimates (J).
- The volatile results for sample TP-8RE were flagged as estimates (J) because the analysis occurred outside the EPA SW-846 holding time.
- The volatile results for the following samples were flagged as "estimated" (J) because the results were quantitated using internal standard(s) with areas outside control limits:

TP-15	TP-15RE	TP-6	TP-6RE
TP-7	TP-7RE	TP-8	TP-8RE
- The semi-volatile results reported as "not detected" for hexachlorocyclopentadiene were flagged "unusable" (R) because the continuing calibration response factors were below 0.050.

- There were semi-volatile results for some compounds in samples TP-4, TP-12, TP-1, TP-6, TP-9, and TP-11 that were quantitated using data that were extrapolated beyond the highest calibration standard and flagged "E" by the laboratory. Results for these compounds marked "E" in the undiluted sample were qualified as estimates (J).
- The semi-volatile results for samples TP-15RR and TP-10RR were flagged as estimates (J) because the extractions occurred outside the EPA SW-846 holding time.
- The semi-volatile results for all samples except the following were flagged as "estimated" (J) because the results were quantitated using internal standard(s) with areas outside control limits:

TP-15	TP-18	TP-10	TP-7
TP-16	TP-2	TP-4DL	TP-9DL
TP-11DL			
- The semi-volatile results reported as "not detected" for samples TP-15 and TP-10 were flagged as "unusable" (R) because one or more acid extractable and base/neutral surrogate recoveries were below control limits and were below 10%.
- Positive pesticide results for the following samples were flagged as "estimated" (J) because one or more surrogate recoveries were above advisory limits:

TP-5	TP-19	TP-17	TP-18	TP-14
TP-1	TP-11	TP-2		
- Pesticide results for samples TP-12 and TP-6 were flagged as "estimated" (J) because one or more surrogate recoveries were below advisory limits, but was greater than 10%.
- The pesticide results reported with a laboratory 'P' for the following samples were flagged as "estimated" (R) because the %Ds for dual column quantitation were greater than 25%:

TP-5	TP-19	TP-12	TP-17	TP-18	TP-13
TP-15	TP-2	TP-1	TP-9	TP-10A	TP-3
- The results for PCB arochlor-1242 in samples were flagged as "estimated" (J) because the percent recovery for arochlor-1242 was below the QC limits for the blank spike sample
- The PCB arochlor results reported with a laboratory 'P' for samples TP-13, TP-1, TP-8, TP-7, and TP-3 were flagged as "estimated" (J) because the %Ds for dual column quantitation were greater than 25%.

- There were PCB results for some arochlors in the following samples that were quantitated using data that were extrapolated beyond the highest calibration standard and flagged "E" by the laboratory. Results for these compounds marked "E" in the undiluted sample were qualified as estimates (J):

TP-5	TP-4	TP-19	TP-12	TP-17
TP-18	TP-13	TP14	TP-15	TP-1
TP-8	TP-10A	TP-3		
- Positive PCB arochlor results for the following samples were flagged as "estimated" (J) because one or more surrogate recoveries were above advisory limits:

TP-5	TP-19	TP-12	TP-17	TP-14	TP-2
TP-1	TP-5DL	TP-3	TP-12DL	TP-17DL	TP-1DL
TP-8DL	TP-3DL	TP-4	TP-18	TP-8	TP-4DL
TP-19DL	TP-18DL	TP-14DL			
- Positive arochlor-1260 results were flagged as "estimated" (J) because the %Ds for arochlor-1260 were above the allowable maximum (15%) in associated continuing calibrations.
- The PCB arochlor results for sample TP-15 were flagged as estimates (J). This was due to surrogate recoveries that were below advisory limits but were greater than 10%.
- Positive results for lead and all results for silver were flagged as "estimated" (J) because spike recoveries were outside control limits.
- Positive results for zinc were flagged as "unusable" (R) because a spike recovery was significantly greater than control limits (>200%).
- Lead results were flagged as "estimated" (J) because the %D was above the allowable maximum (10%) for the serial dilution sample.
- Metal and cyanide results for sample TP-18 were flagged as "estimated" (J) because the percent solids was below the allowable minimum (50%).
- Results for cyanide were flagged as "estimated" (J) because a spike recovery was outside control limits.

All data that are not flagged rejected (R) are considered usable, with estimated (J) data associated with a higher level of quantitative uncertainty. Detailed information on data quality is included in the data validation reviews.



QA/QC Review of Volatiles Data
for STL Newburgh, STL Lab No. 237118

Soil Samples
Collected June 7 and 8, 2004

Prepared by: Donald Anné
July 26, 2004

Holding Times: Sample TP-8RE was re-analyzed outside SW-846 holding times. Results for TP-8RE should be considered estimates (J).

GC/MS Tuning and Mass Calibration: All BFB tuning criteria were within control limits.

Initial Calibration: The RRFs for trichloroethene were below the ASP required minimums, but were greater than 0.010 on 06-18-04 (XS). The RRFs for 1,1,2,2-tetrachloroethane were below the ASP required minimums, but were greater than 0.010 on 06-20-04 (WS). No action is taken when two or fewer compounds per calibration do not meet ASP criteria.

The %RSD for 2-chloroethylvinylether (32.89%) was above the allowable maximum (30%) on 06-18-04 (XS). The average RRF for 2-chloroethylvinylether (0.046) was below the allowable minimum (0.050) on 06-18-04 (XS). Positive results for 2-chloroethylvinylether should be considered estimates (J) and negative results unusable (R).

Continuing Calibration: The CCRF for trichloroethene was below the ASP required minimum but was greater than 0.010 on 06-18-04 (XS852.D). The CCRF for trichloroethene was below the ASP required minimums but was greater than 0.010 on 06-19-04 (XS856.D). The CCRF for trichloroethene was below the ASP required minimums but was greater than 0.010 on 06-20-04 (XS857.D). The CCRF for trichloroethene was below the ASP required minimums but was greater than 0.010 on 06-21-04 (XS858.D). The CCRF for trichloroethene was below the ASP required minimums but was greater than 0.010 on 06-22-04 (XS860.D). The CCRF for 1,1,2,2-tetrachloroethane was below the ASP required minimums, but was greater than 0.010 on 06-22-04 (WS539.D). No action is taken when two or fewer compounds per calibration do not meet ASP criteria.

The CCRF for 2-chloroethylvinylether (0.040) was below the allowable minimum (0.050) on 06-18-04 (XS852.D). The CCRF for 2-chloroethylvinylether (0.049) was below the allowable minimum (0.050) on 06-19-04 (XS856.D). The CCRF for 2-chloroethylvinylether (0.032) was below the allowable minimum (0.050) on 06-10-04 (XS842.D).

The CCRF for 2-chloroethylvinylether (0.021) was below the allowable minimum (0.050) on 06-13-04 (XS843.D). Positive results for 2-chloroethylvinylether should be considered estimates (J) and negative results unusable (R).

The %D for 2-chloroethylvinylether (28.0%) was above the allowable maximum (25%) on 06-20-04 (XS857.D). The %D for 2-chloroethylvinylether (71.6%) was above the allowable maximum (25%) on 06-21-04 (XS858.D). The %Ds for 2-chloroethylvinylether (83.9%), 4-methyl-2-pentanone (34.5%) and 2-hexanone (30.9%) were above the allowable maximum (25%) on 06-22-04 (XS860.D). Positive results for these compounds should be considered estimates (J) in associated samples.

Blanks: The analyses of the method blanks reported target compounds as not detected.

Internal Standard Area Summary: All internal standard retention times were within control limits. One of three internal stand areas (IS3) for samples TP-15, TP-6, TP-15RE, TP-6RE, and TP-7RE was outside control limits. Two of three internal stand areas (IS2, IS3) for sample TP-8 and TP-8RE were outside control limits. Three of three internal stand areas (IS1, IS2, IS3) for sample TP-7 were outside control limits. Results for these samples that are quantitated using internal standards with areas outside control limits should be considered estimates (J).

Surrogate Recovery: The surrogate recoveries were within control limits for environmental samples.

Matrix Spike/Matrix Spike Duplicate: The relative percent differences were below the allowable maximum, but 3 of 10 %Rs (percent recoveries) were above control limits for MS/MSD sample TP-5. No action is taken on MS/MSD data alone to qualify or reject an entire set of samples.

Blank Spike Recovery: The percent recoveries were within QC limits for sample VBSPK20.

Compound ID: Checked compounds were within GC/MS quantitation and qualification limits. The mass spectra for detected compounds contained the primary and secondary ions, as outlined in SW846.

There were volatile results for samples TP-5, TP-4, and TP-9 that were quantitated by extrapolating data above the highest calibration standard and marked 'E' by the laboratory. The samples were diluted by the laboratory and re-analyzed; therefore, the results for compounds that are flagged as 'E' in the undiluted sample should be considered estimates (J) and the use of the diluted results for those compounds is recommended. It is recommended that the undiluted results be used for all other compounds.



QA/QC Review of Semi-Volatiles Data
for STL Newburgh, STL Lab No. 237118

Soil Samples
Collected June 7 and 8, 2004

Data Validation

Environmental Chemistry

Lab and Field Audits

Sampling Plans

Prepared by: Donald Anné
July 26, 2004

Holding Times: Samples TP-15RR and TP-10RR were re-extracted outside SW-846 holding times. Results for these samples should be considered estimates (J).

GC/MS Tuning and Mass Calibration: All DFTPP tuning criteria were within control limits.

Initial Calibration: The RRFs for acenaphthylene, acenaphthene, fluorene were below the ASP required minimum but were greater than 0.010, and the %RSD for pentachlorophenol was above the allowable maximum, but was less than 100%. No action is taken when four or fewer compounds per calibration do not meet ASP criteria.

The average RRFs for target compounds were above the allowable minimum (0.050), as required. The %RSDs for hexachlorocyclopentadiene (57.37%) and 2,4-dinitrophenol (30.14%) were above the allowable maximum (30%). Positive results for these two compounds should be considered estimates (J).

Continuing Calibration: The CCRFs were above the ASP required minimums and %Ds were below the ASP required maximums.

The CCRF for hexachlorocyclopentadiene (0.038) was below the allowable minimum (0.050) on 06-23-04 (CCV2415.D). The CCRF for hexachlorocyclopentadiene (0.040) was below the allowable minimum (0.050) on 06-24-04 (CCV2416.D). The CCRF for hexachlorocyclopentadiene (0.031) was below the allowable minimum (0.050) on 06-28-04 (CCV2418.D). Positive results for hexachlorocyclopentadiene should be considered estimates (J) and negative results unusable (R).

The %D for hexachlorocyclopentadiene (38.2%) was above the allowable maximum (25%) 06-22-04 (CCV2414.D). The %Ds for hexachlorocyclopentadiene (56.5%), 3-nitroaniline (25.3%), 4-nitrophenol (40.4%), and 3,3'-dichlorobenzidine (27.5%) were above the allowable maximum (25%) 06-23-04 (CCV2415.D).

The %Ds for hexachlorocyclopentadiene (54.0%), 4-nitroaniline (30.2%), and di-n-octylphthalate (29.2%) were above the allowable maximum (25%) 06-24-04 (CCV2416.D). The %Ds for hexachlorocyclopentadiene (64.5%), 4-nitrophenol (32.8%), di-n-octylphthalate (34.8%), and 3,3'-dichlorobenzidine (37.9%) were above the allowable maximum (25%) 06-28-04 (CCV2418.D). Positive results for the above compounds should be considered estimates (J) in associated samples.

Blanks: The analyses of the method blanks reported target compounds as not detected.

Internal Standard Area Summary: The internal standard retention times were within control limits. One of 6 internal standard areas (IS6) for the following samples was outside control limits:

TP-13	TP-10A	TP-9	TP-8	TP-19
TP-12DL	TP-17	TP-10ARE	TP-8RE	TP-19RE

Two of 6 internal standard areas (IS5, IS6) for the following samples were outside control limits:

TP-5	TP-11	TP-12	TP-14	TP-3
TP-4	TP-5RE	TP-14RE	TP-6DL	TP-17RE
TP-3RE,	TP-10RR	TP-15RR		

Three of 6 internal standard areas (IS4, IS5, IS6) for samples TP-6 and TP-1DL were outside control limits. Four of 6 internal standard areas (IS3, IS4, IS5, IS6) for sample TP-1 were outside control limits. Results for these samples that are quantitated using internal standards with areas outside control limits should be considered estimates (J).

Surrogate Recovery: Four surrogates for sample TP-4DL were diluted beyond detection limits. No action is taken on surrogates that are diluted beyond detection limits.

Four of 4 base/neutral surrogate recoveries for sample TP-15 were below control limits and were less than 10%. Three of 4 base/neutral surrogate recoveries for samples TP-10 were below control limits and were less than 10%. Positive results for the base/neutral fraction of sample TP-15 and TP-10 should be considered estimates (J) and negative results unusable (R).

Two of 4 acid extractable surrogate recoveries for sample TP-15 were outside control limits and were less than 10%. One of 4 acid extractable surrogate recovery for sample TP-10 was below control limits and were less than 10%. Positive results for acid extractable compounds of samples TP-15 and TP-10 should be considered estimates (J) and negative results unusable (R).

Matrix Spike/Matrix Spike Duplicate: The relative percent differences were below the allowable maximums, but 5 of 22 %Rs (percent recoveries) were outside control limits for MS/MSD sample TP-5. No action is taken on MS/MSD data alone to qualify or reject an entire set of samples.

Blank Spike Recovery: The percent recoveries (%Rs) were within QC limits for sample SBSPK20. The %R for 4-nitrophenol was below QC limits for sample SBSPK09. The %Rs for 1,4-dichlorobenzene, n-nitroso-di-n-propylamine, and 1,2,4-trichlorobenzene were below QC limits for sample SBSPK08. Results for 1,4-dichlorobenzene, n-nitroso-di-n-propylamine, and 1,2,4-trichlorobenzene should be considered estimates (J) in associated samples.

Compound ID: Checked compounds were within GC quantitation limits. The mass spectra for detected compounds contained the primary and secondary ions, as outlined in SW846.

There were semi-volatile results for samples TP-4, TP-12, TP-1, TP-6, TP-9, and TP-11 that were quantitated by extrapolating data above the highest calibration standard and marked 'E' by the laboratory. The samples were diluted by the laboratory and re-analyzed; therefore, the results for compounds that are flagged as 'E' in the undiluted sample should be considered estimates (J) and the use of the diluted results for those compounds is recommended. It is recommended that the undiluted results be used for all other compounds.



QA/QC Review of Pesticide Data for
STL Newburgh, STL Lab No. 237118

Soil Samples
Collected June 7 and 8, 2004

Data Validation
Environmental Chemistry
Lab and Field Audits
Sampling Plans

Prepared by: Donald Anné
July 26, 2004

Holding Times: Samples were extracted and analyzed within SW-846 holding times.

Blanks: The analyses of the method blanks reported target compounds as not detected.

Surrogate Recovery: One of two surrogate recoveries for samples TP-19, TP-5, TP-14, TP-2, TP-8, TP-17, and TP-18 was above advisory limits on one or both columns. Two of two surrogate recoveries for samples TP-1, TP-11, and TP-4 were above advisory limits on one or both columns. Positive results for these samples should be considered estimates (J).

One of two surrogate recoveries for samples TP-12 and TP-6 was below advisory limits, but was above 10% on one or both columns. Results for these samples should be considered estimates (J).

Matrix Spike/Matrix Spike Duplicate: Two of 6 relative percent differences were above the allowable maximum and 6 of 12 %Rs (percent recoveries) were outside QC limits for MS/MSD sample TP-5. No action is taken on MS/MSD data alone to qualify or reject an entire set of samples.

Blank Spike Recovery: The percent recoveries were within QC limits for sample PBSPK16.

Initial Calibration: The %RSDs for 4,4'-DDE (22.11%), signal #1, and delta-BHC (31.90%), signal #2 were above the allowable maximum (20%). Positive results for these two pesticides should be considered estimates (J).

Pesticide Calibration Verification Summary (PEM): The percent breakdowns were below the allowable maximums for 4,4'-DDT (20%), endrin (20%), and combined (30%), as required.

The %RPDs for beta-BHC (40%), endrin (38%), methoxychlor (32%), and 4,4'-DDT (40%) for signal #1, and endrin (36%), methoxychlor (27%), and 4,4'-DDT (32%) for signal #2 were above the allowable maximum (25%) on 06-22-04. Positive results for these pesticides should be considered estimates (J).

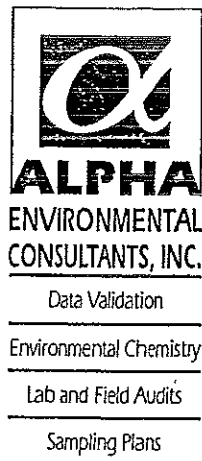
Pesticide Calibration Verification Summary (INDA & INDB): The %RPD for 4,4'-DDE (26.18%) for signal #1 was above the allowable maximum (25%) on 06-22-04. Positive results for 4,4'-DDE should be considered estimates (J).

Pesticide Analytical Sequence: The retention times for TCX and DCB were within control limits for both columns.

Pesticide Identification Summary for Single Component Analytes: Checked results were within GC quantitation limits. The %Ds for dual column quantitation of pesticides in the following samples were greater than the allowable maximum (25%) and flagged 'P' by the laboratory. Results with %Ds greater than 25% should be considered estimates (J). Results flagged may be biased low:

TP-5	TP-19	TP-12	TP-17	TP-18	TP-13
TP-15	TP-2	TP-1	TP-9	TP-10A	TP-3

Pesticide Identification Summary for Multicomponent Analytes: There were no detectable concentrations of target multi-component pesticides reported in samples contained in this data pack.



QA/QC Review of PCB Data for
STL Newburgh, STL Lab No. 237118

Soil Samples
Collected June 7 and 8, 2004

Prepared by: Donald Anné
July 26, 2004

Holding Times: Samples were extracted and analyzed within SW-846 holding times.

Blanks: The analyses of the method blanks reported target arochlors as not detected.

Surrogate Recovery: One of two surrogate recoveries for the following samples was above advisory limits on one or both columns:

TP-5	TP-19	TP-12	TP-17	TP-14	TP-2
TP-1	TP-11	TP-3	TP-12DL	TP-17DL	TP-1DL
TP-8DL	TP-3DL				

Two of two surrogate recoveries for the following samples were above advisory limits on one or both columns:

TP-4	TP-18	TP-8	TP-4DL	TP-19DL
TP-18DL	TP-14DL	TP-5DL		

Positive results for the above samples should be considered estimates (J).

One of two surrogate recoveries for sample TP-15 was below advisory limits, but was above 10% on one column. Results for sample TP-15 should be considered estimates (J).

Matrix Spike/Matrix Spike Duplicate: The relative percent difference (80%) was above the allowable maximum (35%) and 1 of 2 percent recoveries (107%) was outside QC limits (43-93%) for MS/MSD sample TP-5. No action is taken on MS/MSD data alone to qualify or reject an entire set of samples.

Blank Spike Recovery: The percent recovery for arochlor-1242 was below QC limits for sample PBSPK16. Results for arochlor-1242 should be considered estimates (J).

Initial Calibration: The %RSDs for PCB arochlors were below the allowable maximum (20%), as required.

Continuing Calibration: The average %Ds for arochlor-1016 (23.0%) and arochlor-1260 (23.4%) for signal #1, and arochlor-1016 (23.3%) and arochlor-1260 (18.5%) for signal #2 were above the allowable maximum (15%) on 06-22-04 (AR166007). The average %Ds for arochlor-1016 (23.4%) and arochlor-1260 (20.4%) for signal #1, and arochlor-1016 (21.2%) and arochlor-1260 (21.0%) for signal #2 were above the allowable maximum (15%) on 06-23-04 (AR166007). The average %Ds for arochlor-1260 (24.7%) for signal #1 and arochlor-1260 (24.3%) for signal #2 were above the allowable maximum (15%) on 06-25-04 (AR166007). The average %Ds for arochlor-1260 (23.8%) for signal #1 and arochlor-1260 (19.6%) for signal #2 were above the allowable maximum (15%) on 06-26-04 (AR166007). Positive results for these two arochlors should be considered estimates (J) in associated samples.

PCB Analytical Sequence: The retention times for TCX and DCB were within control limits on both columns.

PCB Identification Summary for Multicomponent Analytes: Checked results were within GC quantitation limits. The %Ds for dual column quantitation of arochlors in samples TP-13, TP-1, TP-8, TP-7, and TP-3 were greater than the allowable maximum (25%) and flagged 'P' by the laboratory. Results with %Ds greater than 25% should be considered estimates (J). Results flagged may be biased low.

There were PCB arochlor results for the following samples that were quantitated by extrapolating data above the highest calibration standard and marked 'E' by the laboratory. The samples were diluted by the laboratory and re-analyzed; therefore, the results for compounds that are flagged as 'E' in the undiluted sample should be considered estimates (J) and the use of the diluted results for those compounds is recommended. It is recommended that the undiluted results be used for all other compounds:

TP-5	TP-4	TP-19	TP-12	TP-17
TP-18	TP-13	TP14	TP-15	TP-1
TP-8	TP-10A	TP-3		



QA/QC Review of TAL Metals Data
for STL Newburgh, STL Lab No: 237118

Soil Samples
Collected June 7 and 8, 2004

Prepared by: Donald Anné
July 26, 2004

Holding Times: The samples were analyzed within SW-846 holding times.

Initial and Continuing Calibration Verification: The percent recoveries for target metals were within control limits (90-110% for all metals except 80-120% for Hg).

CRDL Standard for AA and ICP: The percent recoveries for lead (124.5% and 129.2%) and zinc (129.4%, 136.8%, and 125.3%) were above control limits (80-120%). Positive results for lead and zinc that are less than 2 times the CRDL should be considered estimates (J).

Blanks: The analyses of initial and continuing calibration, and preparation blanks reported target metals as below the CRDLs, as required.

ICP Interference Check Sample: The percent recoveries for target metals were within control limits (80-120%).

Spike Sample Recovery: The percent recoveries for copper (125.8%), silver (62.1%), and zinc (817.2%) were outside control limits (75-125%) for spike sample TP-5S. Positive results for copper and all results for silver should be considered estimates (J). Positive results for zinc should be considered unusable (R).

Duplicates: The applicable relative percent differences for target metals were below the allowable maximum (35%) for duplicate sample TP-5D.

Laboratory Control Sample: The recoveries for target metals were within control limits for the LCSs.

ICP Serial Dilution: The %D for lead (13.0%) was above the allowable maximum (10%) for serial dilution sample TP-5L. Positive results for lead should be considered estimates (J).

Instrument Detection Limits: The IDLs were at or below CRDLs, as required.

Percent Solids: The percent solids for sample TP-18 (45.9%) was below the allowable minimum (50%), but was above 10%. Results for sample TP-18 should be considered estimates (J).



QA/QC Review of Cyanide Data for
STL Newburgh, STL Lab No: 237118

Soil Samples
Collected June 7 and 8, 2004

Prepared by: Donald Anné
July 26, 2004

Holding Times: The samples were analyzed within SW-846 holding times.

Initial and Continuing Calibration Verification: The percent recoveries for cyanide were within control limits (85-115%).

Blanks: The analyses of initial and continuing calibration, and preparation blanks reported cyanide as not detected.

Spike Sample Recovery: The percent recovery for cyanide was within control limits (75-125%) for spike sample TP-5. The percent recovery for cyanide (61.9%) was outside control limits (75-125%) for spike sample TP-6. Results for cyanide should be considered estimates (J) in associated samples.

Duplicates: The analyses of duplicate samples TP-5/TP-5D and TP-6/TP-6D reported cyanide as not detected, and are acceptable.

Laboratory Control Sample: The recoveries for cyanide were within control limits for the LCSs.

Percent Solids: The percent solids for sample TP-18 (45.9%) was below the allowable minimum (50%), but was above 10%. The cyanide result for sample TP-18 should be considered an estimate (J).



Data Usability Summary Report for
STL Newburgh, STL Lab No. 237194

Soil, Sediment, and Surface Water Samples
Collected June 9 and 10, 2003

Prepared by: Donald Anné
July 26, 2004

The data packages contain the documentation required by NYSDEC ASP. The proper chain of custody procedures were followed by the samplers. All information appeared legible and complete. The data packs contained the results of volatile, semi-volatile, pesticide, PCB, metal, cyanide and total phenols analyses.

The overall performances of the analyses are acceptable. STL Newburgh did fulfill the requirements of the analytical methods.

The data generally are acceptable with some issues that are identified in the accompanying data validation reviews. The following data were flagged:

- The volatile results for the following samples were flagged as "estimated" (J) because the results were quantitated using internal standard(s) with areas outside control limits:
SS-5 SS-5RE SS-9 SS-9RE SS-10
- Positive volatile results for samples SS-5 and SS-10RE were flagged as "estimated" (J) because 1 of 3 surrogate recoveries was above control limits.
- The volatile results for methylene chloride in the following samples were flagged as "estimated" (J) because the %D for methylene chloride in the associated continuing calibration was above the allowable maximum (25%):
SS-3 SS-7 SS-8 SS-9
- The semi-volatile results reported as "not detected" for hexachlorocyclopentadiene were flagged "unusable" (R) because the continuing calibration response factors were below 0.050.
- The semi-volatile result for pyrene in sample SED-2 was quantitated using data that was extrapolated beyond the highest calibration standard and flagged "E" by the laboratory. The result for pyrene marked "E" in the undiluted sample was qualified as an estimate (J).

- The semi-volatile results for the following samples were flagged as "estimated" (J) because the results were quantitated using internal standard(s) with areas outside control limits:

L-2	L-2RE	SED-6	SS-6	SS-7
SS-8	SED-5	SS-9	SS-6RE	SED-1
SS-10	SED-4	SS-4	SED-2	SED-3
SED-6RE	SS-7RE	SS-8RE	SS-10RE	SED-4RE
SED-5RE,	SS-9RE	SED-1RE	SS-4RE	SED-2DL

- Positive pesticide results for the following samples were flagged as "estimated" (J) because one or more surrogate recoveries were above advisory limits:

SW-1	SW-4	SS-2	SED-4	SED-5
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- The pesticide results reported with a laboratory 'P' for the following samples were flagged as "estimated" (R) because the %Ds for dual column quantitation were greater than 25%:

SW-1	SS-1	SED-4	SED-5
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- The pesticide results for gamma-BHC and aldrin in soil/sediment samples were flagged as "estimated" (J) because the percent recoveries for gamma-BHC and aldrin were below the QC limits for the soil blank spike sample.

- There were PCB results for some arochlors in the following samples that were quantitated using data that were extrapolated beyond the highest calibration standard and flagged "E" by the laboratory. Results for these compounds marked "E" in the undiluted sample were qualified as estimates (J):

SED-1	SED-2	SED-3	SED-4	SED-5	SED-6
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- The PCB arochlor results reported with a laboratory 'P' for the following samples were flagged as "estimated" (J) because the %Ds for dual column quantitation were greater than 25%:

SS-1	SS-2	SS-7	SED-1	SED-2
SED-3	SED-4	SED-5	SED-5DL	SED-6

- Positive PCB arochlor results for the following samples were flagged as "estimated" (J) because one or more surrogate recoveries were above advisory limits:

SS-1	SS-1DL	SS-2	SS-4	SS-7	SS-9
SED-1	SED-1DL	SED-2	SED-2DL	SED-3	SED-3DL
SED-4	SED-4DL	SED-5	SED-5DL	SED-6	SED-6DL

- The results for silver in soil, sediment and surface water samples were flagged as “estimated” (J) because spike recoveries were outside control limits.
- Positive results for zinc in soil samples were flagged as “unusable” (R) because the spike recovery was significantly above control limits for the soil spike sample.
- Zinc results in soil samples were flagged as “estimated” (J) because the %D was above the allowable maximum (10%) for the soil serial dilution sample.
- Cadmium results in sediment samples were flagged as “estimated” (J) because the relative percent difference was above the allowable maximum (35%) for the sediment duplicate sample.
- Metal and cyanide results for the following samples were flagged as “estimated” (J) because the percent solids were below the allowable minimum (50%):

SS-4 (38.6%)	SED-1 (47.5%)	SED-2 (42.5%)	SED-3 (46.4%)
SED-5 (47.1%)			
- Results for cyanide in soil samples were flagged as “estimated” (J) because the spike recovery was outside control limits for the soil spike sample.

All data that are not flagged rejected (R) are considered usable, with estimated (J) data associated with a higher level of quantitative uncertainty. Detailed information on data quality is included in the data validation reviews.



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QA/QC Review of Volatiles Data
for STL Newburgh, STL Lab No. 237194

Soil, Sediment, and Surface Water Samples
Collected June 9 and 10, 2004

Prepared by: Donald Anné
July 26, 2004

Holding Times: Samples were analyzed within SW-846 holding times.

GC/MS Tuning and Mass Calibration: All BFB tuning criteria were within control limits.

Initial Calibration: The RRFs for trichloroethene were below the ASP required minimum, but were greater than 0.010 on 06-18-04 (XS). The RRFs for 1,1,2,2-tetrachloroethane were below the ASP required minimum, but were greater than 0.010 on 06-20-04 (WS). The RRFs for trichloroethene were below the ASP required minimum, but were greater than 0.010, and the %RSD for total xylenes was above the ASP required maximum, but was less than 40% on 06-23-04 (XS). No action is taken when two or fewer compounds per calibration do not meet ASP criteria.

The %RSD for 2-chloroethylvinylether (32.89%) was above the allowable maximum (30%) on 06-18-04 (XS). The average RRF for 2-chloroethylvinylether (0.046) was below the allowable minimum (0.050) on 06-18-04 (XS). Results for 2-chloroethylvinylether should be considered estimates (J).

Continuing Calibration: The CCRF for trichloroethene was below the ASP required minimum but was greater than 0.010 on 06-21-04 (XS858.D). The CCRF for trichloroethene was below the ASP required minimum but was greater than 0.010 on 06-22-04 (XS860.D). The CCRF for 1,1,2,2-tetrachloroethene was below the ASP required minimum but was greater than 0.010 on 06-23-04 (WS539.D). The CCRF for trichloroethene was below the ASP required minimum but was greater than 0.010 on 06-23-04 (XS863.D). The CCRF for 1,1,2,2-tetrachloroethene was below the ASP required minimum but was greater than 0.010 on 06-24-04 (WS540.D). The CCRF for trichloroethene was below the ASP required minimum but was greater than 0.010 on 06-24-04 (XS868.D). No action is taken when two or fewer compounds per calibration do not meet ASP criteria.

The CCRFs for target compounds were above the allowable minimum (0.050), as required.

The %D for 2-chloroethylvinylether (71.6%) was above the allowable maximum (25%) on 06-21-04 (XS858.D). The %Ds for 2-chloroethylvinylether (83.9%), 4-methyl-2-pentanone (34.5%) and 2-hexanone (30.9%) were above the allowable maximum (25%) on 06-22-04 (XS860.D). The %Ds for methylene chloride (30.6%) and carbon disulfide (29.5%) were above the allowable maximum (25%) on 06-23-04 (XS863.D). Positive results for these compounds should be considered estimates (J) in associated samples.

Blanks: The analyses of the method blanks reported target compounds as not detected.

Internal Standard Area Summary: All internal standard retention times were within control limits. One of three internal stand areas (IS3) for samples SS-5, SS-5RE, and SS-10 was outside control limits. Two of three internal stand areas (IS1, IS3) for sample SS-9RE were outside control limits. Three of three internal stand areas (IS1, IS2, IS3) for sample SS-9 were outside control limits. Results for these samples that are quantitated using internal standards with areas outside control limits should be considered estimates (J).

Surrogate Recovery: One of three surrogate recoveries for samples SS-5 and SS-10RE was above control limits. Positive results for samples SS-5 and SS-10RE should be considered estimates (J).

Matrix Spike/Matrix Spike Duplicate: The relative percent differences were below the allowable maximum and the percent recoveries were within control limits for MS/MSD samples SW-3 and SED-3.

Blank Spike Recovery: The percent recoveries were within QC limits for samples VBSPK23 (water) and VBSPK23 (soil).

Compound ID: Checked compounds were within GC/MS quantitation and qualification limits. The mass spectra for detected compounds contained the primary and secondary ions, as outlined in SW846.



QA/QC Review of Semi-Volatiles Data
for STL Newburgh, STL Lab No. 237194

Soil, Sediment, and Surface Water Samples
Collected June 9 and 10, 2004

Prepared by: Donald Anné
July 26, 2004

Holding Times: Samples were extracted and analyzed within SW-846 holding times.

GC/MS Tuning and Mass Calibration: All DFTPP tuning criteria were within control limits.

Initial Calibration: The RRFs for bis(2-chloroethoxy)methane were below the ASP required minimum but were greater than 0.010, and the %RSD for pentachlorophenol was above the allowable maximum, but was less than 100% on 06-21-04. The RRFs for acenaphthylene, acenaphthene, and fluorene were below the ASP required minimums but were greater than 0.010, and the %RSD for pentachlorophenol was above the allowable maximum, but was less than 100% on 06-22-04. No action is taken when four or fewer compounds per calibration do not meet ASP criteria.

The average RRFs for target compounds were above the allowable minimum (0.050), as required. The %RSDs for hexachlorocyclopentadiene (41.10%) and 2,4-dinitrophenol (38.87%) were above the allowable maximum (30%) on 06-21-04. The %RSDs for hexachlorocyclopentadiene (57.37%) and 2,4-dinitrophenol (30.14%) were above the allowable maximum (30%) on 06-22-04. Positive results for these two compounds should be considered estimates (J).

Continuing Calibration: The CCRFs were above the ASP required minimums and %Ds were below the ASP required maximum.

The CCRF for hexachlorocyclopentadiene (0.034) was below the allowable minimum (0.050) on 06-23-04 (CCV3053.D). The CCRF for hexachlorocyclopentadiene (0.040) was below the allowable minimum (0.050) on 06-24-04 (CCV2416.D). The CCRF for hexachlorocyclopentadiene (0.043) was below the allowable minimum (0.050) on 06-25-04 (CCV2417.D). Positive results for hexachlorocyclopentadiene should be considered estimates (J) and negative results unusable (R) in associated samples.

The %Ds for n-nitrosodimethylamine (33.6%), hexachlorocyclopentadiene (65.2%) and 4-nitrophenol (40.4%) were above the allowable maximum (25%) 06-22-04 (CCV3052.D). The %Ds for hexachlorocyclopentadiene (54.0%), 4-nitroaniline (30.2%), and di-n-octylphthalate (29.2%) were above the allowable maximum (25%) 06-24-04 (CCV2416.D). The %Ds for hexachlorocyclopentadiene (51.0%), 3-nitroaniline (30.2%), 4-nitrophenol (27.6%), 4-nitroaniline (31.4%), and 3,3'-dichlorobenzidine (26.7%) were above the allowable maximum (25%) 06-28-04 (CCV2417.D). The %Ds for 4-nitrophenol (42.8%), hexachlorocyclopentadiene (38.1%), 4-nitroaniline (28.1%), and 3,3'-dichlorobenzidine (29.9%) were above the allowable maximum (25%) 06-29-04 (CCV2419.D). Positive results for these compounds should be considered estimates (J) in associated samples.

Blanks: The analysis of the soil method blanks reported target compounds as not detected. The water method blank SBLK17 was inadvertently spiked by the laboratory, resulting in all but a few target compounds detected in the blank. The lab accepted the blank since all target compounds were detected at levels less than the CRDL, as required. This water blank can not be used to evaluate the environmental samples.

Internal Standard Area Summary: The internal standard retention times were within control limits. One of 6 internal standard areas (IS6) for the following samples was outside control limits:

L-2	L-2RE	SED-6	SS-6	SS-7
SS-8	SED-5	SS-9	SS-6RE	SED-1

Two of 6 internal standard areas (IS5, IS6) for the following samples were outside control limits:

SS-10	SED-4	SS-4	SED-2	SED-3
SED-6RE	SS-7RE	SS-8RE	SS-10RE	SED-4RE
SED-5RE,	SS-9RE	SED-1RE	SS-4RE	SED-2DL

Results for the above samples that are quantitated using internal standards with areas outside control limits should be considered estimates (J).

Surrogate Recovery: One surrogate for sample SED-2DL was diluted beyond detection limits. No action is taken on surrogates that are diluted beyond detection limits.

Matrix Spike/Matrix Spike Duplicate: Two of 11 relative percent differences (RPDs) were above the allowable maximums and 1 of 22 %Rs (percent recoveries) was outside control limits for MS/MSD sample SW-3. One of 11 RPDs was above the allowable maximums and 1 of 22 %Rs was outside control limits for MS/MSD sample SED-3. No action is taken on MS/MSD data alone to qualify or reject an entire set of samples.

Blank Spike Recovery: The percent recoveries were within QC limits for samples SBSPK17 and SBSPK22.

Compound ID: Checked compounds were within GC quantitation limits. The mass spectra for detected compounds contained the primary and secondary ions, as outlined in SW846.

The result for pyrene in sample SED-2 was quantitated by extrapolating data above the highest calibration standard and marked 'E' by the laboratory. The sample was diluted by the laboratory and re-analyzed; therefore, the result for pyrene that is flagged as 'E' in the undiluted sample should be considered estimates (J) and the use of the diluted results for pyrene is recommended. It is recommended that the undiluted results be used for all other compounds.



QA/QC Review of Pesticide Data for
STL Newburgh, STL Lab No. 237194

Soil, Sediment, and Surface Water Samples
Collected June 9 and 10, 2004

Prepared by: Donald Anné
July 26, 2004

Holding Times: Samples were extracted and analyzed within SW-846 holding times.

Blanks: The analyses of the method blanks reported target arochlors as not detected.

Surrogate Recovery: One of two surrogate recoveries for the following samples was above advisory limits on one or both columns:

SW-4	SW-5	SS-1	SS-2	SS-3	SS-4
SS-5	SS-6	SS-7	SS-8	SS-9	SED-1
SED-3	SED-4	SED-5	SED-6		

Two of two surrogate recoveries for samples SW-1 and SED-2 were above advisory limits on one or both columns. Positive results for these samples should be considered estimates (J).

Matrix Spike/Matrix Spike Duplicate: The relative percent differences (RPDs) were below the allowable maximum, but 6 of 12 %Rs (percent recoveries) were outside QC limits for MS/MSD sample SW-3. One of 6 RPDs was below the allowable maximum and 7 of 12 %Rs were outside QC limits for MS/MSD sample SED-3. No action is taken on MS/MSD data alone to qualify or reject an entire set of samples.

Blank Spike Recovery: The percent recoveries (%Rs) for gamma-BHC, heptachlor, and aldrin were above QC limits for water sample PBSPK11. Positive results for these pesticides should be considered estimates (J) in water samples. The %Rs for gamma-BHC and aldrin were below QC limits for soil sample PBSPK18. Results for these pesticides should be considered estimates (J) in soil/sediment samples.

Pesticide Analytical Sequence: The retention times for TCX and DCB were within control limits for both columns.

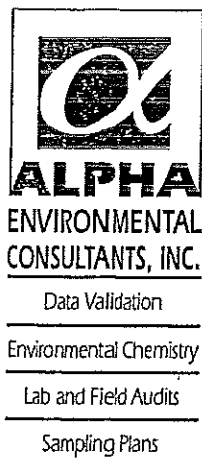
Initial Calibration: The %RSDs for 4,4'-DDE (34.57%), endrin (21.77%), endosulfan II (21.01%), endrin ketone (20.81%), and 4,4'-DDT (39.72%) for signal #1, and aldrin (152.76%), 4,4'-DDD (20.33%), endrin ketone (22.95%), and 4,4'-DDT (21.86%) for signal #2 were above the allowable maximum (20%) on 06-28-04. Positive results for these pesticides should be considered estimates (J) in associated samples.

Pesticide Calibration Verification Summary (PEM): The %RPDs for target pesticides were below the allowable maximum (25%), as required. The percent breakdowns were below the allowable maximums for 4,4'-DDT (20%), endrin (20%), and combined (30%), as required.

Pesticide Calibration Verification Summary (INDA & INDB): The %RPD for 4,4'-DDT (39.09%) for signal #1 and aldrin (61.21%) for signal #2 were above the allowable maximum (25%) on 06-29-04. Positive results for these two compounds should be considered estimates (J) in associated samples.

Pesticide Identification Summary for Single Component Analytes: Checked results were within GC quantitation limits. The %Ds for dual column quantitation of pesticides in samples SW-1, SS-1, SED-4, and SED-5 were greater than the allowable maximum (25%) and flagged 'P' by the laboratory. Results with %Ds greater than 25% should be considered estimates (J). Results flagged may be biased low.

Pesticide Identification Summary for Multi-component Analytes: There were no detectable concentrations of target multi-component pesticides reported in samples contained in this data pack.



QA/QC Review of PCB Data for
STL Newburgh, STL Lab No. 237194

Soil, Sediment, and Surface Water Samples
Collected June 9 and 10, 2004

Prepared by: Donald Anné
July 26, 2004

Holding Times: Samples were extracted and analyzed within SW-846 holding times.

Blanks: The analyses of the method blanks reported target arochlors as not detected.

Surrogate Recovery: One of two surrogate recoveries for the following samples was above advisory limits on one or both columns:

SS-1	SS-1DL	SS-2	SS-4	SS-7
SS-9	SED-1	SED-1DL	SED-2DL	SED-3
SED-4	SED-4DL	SED-5	SED-5DL	SED-6
SED-6DL				

Two of two surrogate recoveries for samples SED-2 and SED-3DL were above advisory limits on one or both columns. Positive results for the above samples should be considered estimates (J).

Matrix Spike/Matrix Spike Duplicate: The relative percent difference (RPD) was below the allowable maximum (20%) and the percent recoveries (%Rs) were within QC limits (43-93%) for MS/MSD sample SW-3. The RPD was below the allowable maximum (35%), but both the %Rs were outside QC limits (43-93%) for MS/MSD sample SED-3. No action is taken on MS/MSD data alone to qualify or reject an entire set of samples.

Blank Spike Recovery: The percent recoveries for arochlor-1242 were within QC limits for samples PBSPK02 and PBSPK18.

Initial Calibration: The %RSDs for PCB arochlors were below the allowable maximum (20%), as required.

PCB Analytical Sequence: The retention times for TCX and DCB were within control limits on both columns.

Continuing Calibration: The average %Ds for arochlor-1260 (23.8%) for signal #1, and arochlor-1260 (19.6%) for signal #2 were above the allowable maximum (15%) on 06-25-04 (AR166007). The average %Ds for arochlor-1260 (24.4%) for signal #1 and arochlor-1260 (22.0%) for signal #2 were above the allowable maximum (15%) on 06-29-04 (AR166006). Positive results for arochlor-1260 should be considered estimates (J) in associated samples.

PCB Identification Summary for Multicomponent Analytes: Checked results were within GC quantitation limits. The %Ds for dual column quantitation of arochlors in the following samples were greater than the allowable maximum (25%) and flagged 'P' by the laboratory. Results with %Ds greater than 25% should be considered estimates (J). Results flagged may be biased low:

SS-1	SS-2	SS-7	SED-1	SED-2
SED-3	SED-4	SED-5	SED-5DL	SED-6

There were PCB arochlor results for the following samples that were quantitated by extrapolating data above the highest calibration standard and marked 'E' by the laboratory. The samples were diluted by the laboratory and re-analyzed; therefore, the results for compounds that are flagged as 'E' in the undiluted sample should be considered estimates (J) and the use of the diluted results for those compounds is recommended. It is recommended that the undiluted results be used for all other compounds:

SED-1	SED-2	SED-3	SED-4	SED-5	SED-6
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QA/QC Review of TAL Metals Data
for STL Newburgh, STL Lab No: 237194

Soil, Sediment, and Surface Water Samples
Collected June 9 and 10, 2004

Prepared by: Donald Anné
July 26, 2004

Holding Times: The samples were analyzed within SW-846 holding times.

Initial and Continuing Calibration Verification: The percent recoveries for target metals were within control limits (90-110% for all metals except 80-120% for Hg).

CRDL Standard for AA and ICP: The percent recoveries for target metals were within control limits (80-120%).

Blanks: The analyses of initial and continuing calibration, and preparation blanks reported target metals as below the CRDLs, as required.

ICP Interference Check Sample: The percent recoveries for target metals were within control limits (80-120%).

Spike Sample Recovery: The percent recovery for silver (70.2%) was below control limits (75-125%) for the water spike sample SW-3S. Results for silver should be considered estimates (J) in water samples. The percent recovery for silver (72.3%) was below control limits (75-125%) for the soil spike sample SS-1S. Results for silver should be considered estimates (J) in soil samples. The percent recoveries for silver (71.2%) and zinc (136.9%) were outside control limits (75-125%) for the sediment spike sample SED-3S. Results for silver and positive results for zinc should be considered estimates (J) in sediment samples.

Duplicates: The applicable relative percent differences (RPD) for target metals were below the allowable maximum (soil-35% and water-20%) for the water duplicate sample SW-3D and the soil duplicate sample SS-1D. The RPD for cadmium (60.7%) was above the allowable maximum (35%) for the sediment duplicate sample SED-3. Positive results for cadmium should be considered estimates (J) in sediment samples.

Laboratory Control Sample: The recoveries for target metals were within control limits for the soil/sediment LCSs. The percent recovery for silver (64.2%) was below control limits (80-120%) for the water LCS. Results for silver should be considered estimates (J) in water samples.

Standard Addition Results: The correlation coefficient for selenium (0.999) in sample SW-1 was greater than the allowable minimum (0.995), as required.

ICP Serial Dilution: The %Ds for applicable target metals were below the allowable maximum (10%) for the water serial dilution sample SW-3L and the sediment serial dilution sample SED-3L. The %D for zinc (13.0%) was above the allowable maximum (10%) for the soil serial dilution sample SS-1L. Positive results for zinc should be considered estimates (J) in soil samples.

Instrument Detection Limits: The IDLs were at or below CRDLs, as required.

Percent Solids: The percent solids for the following samples were below the allowable minimum (50%), but were above 10%. Results for these samples should be considered estimates (J):

SS-4 (38.6%)	SED-1 (47.5%)	SED-2 (42.5%)	SED-3 (46.4%)
SED-5 (47.1%)			



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QA/QC Review of Cyanide Data for
STL Newburgh, STL Lab No: 237194

Soil, Sediment, and Surface Water Samples
Collected June 9 and 10, 2004

Prepared by: Donald Anné
July 26, 2004

Holding Times: The samples were analyzed within SW-846 holding times.

Initial and Continuing Calibration Verification: The percent recoveries for cyanide were within control limits (85-115%).

Blanks: The analyses of initial and continuing calibration, and preparation blanks reported cyanide as not detected.

Spike Sample Recovery: The percent recoveries for cyanide were within control limits (75-125%) for the water spike sample SW-3 and the sediment spike sample SED-3. The percent recovery for cyanide (62.0%) was outside control limits (75-125%) for the soil spike sample 237118-15. Results for cyanide should be considered estimates (J) in soil samples.

Duplicates: The analyses of duplicate samples SW-3/SW-3D, SED-3/SED-3D, and 237118-15/237118-15D reported cyanide as not detected, and are acceptable.

Laboratory Control Sample: The recoveries for cyanide were within control limits for the LCSs.

Percent Solids: The percent solids for the following samples were below the allowable minimum (50%), but were above 10%. The cyanide result for these samples should be considered an estimates (J):

SS-4 (38.6%)

SED-1 (47.5%)

SED-2 (42.5%)

SED-3 (46.4%)

SED-5 (47.1%)



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QA/QC Review of Total Recoverable Phenolics
Data for STL Newburgh, STL Lab No: 237194

Surface Water Samples
Collected June 9 and 10, 2004

Prepared by: Donald Anné
July 26, 2004

Holding Times: The samples were analyzed within SW-846 holding times.

Initial and Continuing Calibration Verification: The percent recoveries for total recoverable phenolics were within control limits (85-115%).

Blanks: The analyses of initial and continuing calibration, and method blanks reported total recoverable phenolics as not detected.

Spike Sample Recovery: The percent recovery for total recoverable phenolics was within control limits (75-125%) for the spike sample.

Duplicates: The analyses of duplicate samples reported total recoverable phenolics as not detected, and are acceptable.

Laboratory Control Sample: The percent recovery for total recoverable phenolics was within control limits for the LCS.



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QA/QC Review of Total Organic Carbon (TOC)
Data for STL Burlington, SDG: 100771

Sediment Samples
Collected June 9, 2004

Prepared by: Donald Anné
July 26, 2004

Holding Times: The samples were analyzed within SW-846 holding times.

Blanks: The analyses of the method blank reported TOC as not detected.

Spike Sample Recovery: The percent recovery for TOC (105%) was within control limits (75-125%) for spike sample SED-3MS.

Duplicates: The relative percent difference for TOC (27%) was below the allowable maximum (35%) for duplicate sample SED-3REP, as required.

Laboratory Control Sample: The percent recovery for TOC (98%) was within control limits for the LCS.



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August 16, 2004

Mr. Mark Schumacher
InteGreyted International, LLC
104 Jamesville Road
Syracuse, New York 13204

Re: Data Validation Report
Cooper Project
June-July 2004 Ground Water Sampling Event

Dear Mr. Schumacher:

The data validation summaries are attached to this letter for the Cooper Project, June-July 2004 ground water sampling event. The data for STL Newburgh, STL Lab No. 237960, were mostly acceptable with some issues that are identified and discussed in the validation summaries. STL Newburgh failed to meet ASP calibration criteria for semi-volatile analyses which affected sample MW-6A. The data pack contained data that were qualified unusable (R). The individual QA/QC reviews contain the explanation for rejecting the data, based solely on the validation guidance criteria. The rejected data may be determined to be acceptable to the user based on additional information that is not contained in the data validation criteria.

A list of common data validation acronyms is attached to this letter to assist you interpreting the validation summaries. If you have any questions concerning the work performed, please contact me at (518) 348-6995. Thank you for the opportunity to assist InteGreyted International, LLC.

Sincerely,
Alpha Environmental Consultants, Inc.

Donald Anné
Senior Chemist

DCA:dca
attachments

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Data Validation Qualifiers Used in the QA/QC Reviews for USEPA Region II

- U = Not detected. The associated number indicates the approximate sample concentration necessary to be detected significantly greater than the level of the highest associated blank.
- R = Unreliable result; data is rejected or unusable. Analyte may or may not be present in the sample. Supporting data or information is necessary to confirm the result.
- N = Tentative identification. Analyte is considered present. Special methods may be needed to confirm its presence or absence during future sampling efforts.
- J = Analyte is present. Reported value may be associated with a higher level of uncertainty than is normally expected with the analytical method.
- UJ = Not detected, quantitation limit may be inaccurate or imprecise.

Note: These qualifiers are used for data validation purposes. The data validation qualifiers may differ from the qualifiers that the laboratory assigns to the data. Refer to the laboratory analytical report for the definitions of the laboratory qualifiers.

Data Validation Acronyms

AA	Atomic absorption, flame technique
BHC	Hexachlorocyclohexane
BFB	Bromofluorobenzene
CCB	Continuing calibration blank
CCC	Calibration check compound
CCV	Continuing calibration verification
CN	Cyanide
CRDL	Contract required detection limit
CRQL	Contract required quantitation limit
CVAA	Atomic adsorption, cold vapor technique
DCAA	2,4-Dichlorophenylacetic acid
DCB	Decachlorobiphenyl
DFTPP	Decafluorotriphenyl phosphine
ECD	Electron capture detector
FAA	Atomic absorption, furnace technique
FID	Flame ionization detector
FNP	1-Fluoronaphthalene
GC	Gas chromatography
GC/MS	Gas chromatography/mass spectrometry
GPC	Gel permeation chromatography
ICB	Initial calibration blank
ICP	Inductively coupled plasma-atomic emission spectrometer
ICV	Initial calibration verification
IDL	Instrument detection limit
IS	Internal standard
LCS	Laboratory control sample
LCS/LCSD	Laboratory control sample/laboratory control sample duplicate
MSA	Method of standard additions
MS/MSD	Matrix spike/matrix spike duplicate
PID	Photo ionization detector
PCB	Polychlorinated biphenyl
PCDD	Polychlorinated dibenzodioxins
PCDF	Polychlorinated dibenzofurans
QA	Quality assurance
QC	Quality control
RF	Response factor
RPD	Relative percent difference
RRF	Relative response factor
RRF(number)	Relative response factor at concentration of the number following
RT	Retention time
RRT	Relative retention time
SDG	Sample delivery group
SPCC	System performance check compound
TCX	Tetrachloro-m-xylene
%D	Percent difference
%R	Percent recovery
%RSD	Percent relative standard deviation



Data Validation

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Data Usability Summary Report for
STL Newburgh, STL Lab No. 237960

Ground Water Samples
Collected June 30 and July 1, 2003

Prepared by: Donald Anné
August 16, 2004

The data packages contain the documentation required by NYSDEC ASP. The proper chain of custody procedures were followed by the samplers. All information appeared legible and complete. The data packs contained the results of volatile, semi-volatile, pesticide, PCB, metal, cyanide and total phenols analyses.

The overall performances of the analyses are acceptable. STL Newburgh did fulfill the requirements of the analytical methods.

The data generally are acceptable with some issues that are identified in the accompanying data validation reviews. The following data were flagged:

- The volatile results reported as "not detected" for 2-chloroethylvinylether were flagged "unusable" (R) because the response factors were below 0.050.
- The volatile result for chloroethane in sample MW-1N was quantitated using data that was extrapolated beyond the highest calibration standard and flagged "E" by the laboratory. The result for chloroethane marked "E" in the undiluted sample was qualified as estimated (J).
- The semi-volatile results reported as "not detected" for samples MW-8A, MW-6A, and MW-6ARE were flagged as "unusable" (R) and detected compounds were flagged estimates (J) because two or more acid extractable and base/neutral surrogate recoveries were below control limits and were below 10%.
- Positive base/neutral semi-volatile results for sample MW-12 were flagged as "estimated" (J) because two surrogate recoveries were above advisory limits.
- Semi-volatile results for bis(2-ethylhexyl)phthalate in samples were flagged as "not detected" (U) because the levels in the samples were not significantly higher than the level in the associated method blank.

- Semi-volatile results for 1,2,4-trichlorobenzene and 4-nitrophenol in samples were flagged as "estimated" (J) because the percent recoveries for those compounds were below QC limits in the associated blank spike sample.
- Semi-volatile results for sample MW-8ARR were flagged as "estimated" (J) because the sample was re-extracted outside SW-846 holding times.
- Pesticide results for samples MW-4B, MW-9B, MW-6A, and MW-6B were flagged as "estimated" (J) because one or more surrogate recoveries were below advisory limits.
- The pesticide results for gamma-BHC and aldrin in sample MW-4A and MW-4B were flagged as "estimated" (J) because the percent recoveries for gamma-BHC and aldrin were below the QC limits for the blank spike sample PBSPK22.
- PCB arochlor results for samples MW-9B, MW-6A, and MW-6B were flagged as "estimated" (J) because one or more surrogate recoveries were below advisory limits.
- The results for iron, lead, selenium and silver in samples were flagged as "estimated" (J) because percent recoveries were below control limits in associated spike samples.

All data that are not flagged rejected (R) are considered usable, with estimated (J) data associated with a higher level of quantitative uncertainty. Detailed information on data quality is included in the data validation reviews.



QA/QC Review of Volatiles Data
for STL Newburgh, STL Lab No. 237960

Ground Water Samples
Collected June 30 and July 1, 2004

Data Validation
Environmental Chemistry
Lab and Field Audits
Sampling Plans

Prepared by: Donald Anné
August 16, 2004

Holding Times: Samples were analyzed within SW-846 holding times.

GC/MS Tuning and Mass Calibration: All BFB tuning criteria were within control limits.

Initial Calibration: The RRFs for trichloroethene and 1,1,2,2-tetrachloroethane were below the ASP required minimums, but were greater than 0.010. No action is taken when two or fewer compounds per calibration do not meet ASP criteria.

The %RSD for 2-chloroethylvinylether (60.67%) was above the allowable maximum (30%). The average RRF for 2-chloroethylvinylether (0.014) was below the allowable minimum (0.050). Results for 2-chloroethylvinylether should be considered estimates (J).

Continuing Calibration: The CCRFs for trichloroethene and 1,1,2,2-tetrachloroethane were below the ASP required minimums but were greater than 0.010 on 07-12-04 (XS883.D). The CCRFs for trichloroethene and 1,1,2,2-tetrachloroethane were below the ASP required minimums but were greater than 0.010 on 07-13-04 (X8052.D). The CCRFs for trichloroethene and 1,1,2,2-tetrachloroethane were below the ASP required minimums but were greater than 0.010 on 07-14-04 (XS8076.D). The CCRFs for trichloroethene and 1,1,2,2-tetrachloroethane were below the ASP required minimums but were greater than 0.010 on 07-15-04 (XS8091.D). No action is taken when two or fewer compounds per calibration do not meet ASP criteria.

The %Ds for target compounds were below the allowable maximum (25%), as required. The CCRF for 2-chloroethylvinylether (0.014) was below the allowable minimum (0.050) on 07-12-04 (XS883.D). The CCRF for 2-chloroethylvinylether (0.013) was below the allowable minimum (0.050) on 07-13-04 (X8052.D). The CCRF for 2-chloroethylvinylether (0.012) was below the allowable minimum (0.050) on 07-14-04 (XS8076.D). The CCRF for 2-chloroethylvinylether (0.015) was below the allowable minimum (0.050) on 07-15-04 (XS8091.D). Positive results for 2-chloroethylvinylether should be considered estimates (J) and negative results unusable (R) in associated samples.

Blanks: The analyses of the method and trip blanks reported target compounds as not detected. Field blank FB contained a trace of chloroform (8 ug/L). Results for chloroform that are less than five times the field blank level should be considered not detected (U) in associated samples.

Internal Standard Area Summary: All internal standard areas and retention times were within control limits.

Surrogate Recovery: The percent recoveries were within control limits for environmental samples.

Matrix Spike/Matrix Spike Duplicate: The relative percent differences were below the allowable maximum and the percent recoveries were within control limits for MS/MSD samples MW-8B and MW-7.

Blank Spike Recovery: The percent recoveries were within QC limits for samples VBSPK10 and VBSPK14. The percent recovery for benzene in sample VBSPK015 was above control limits. Positive results for benzene should be considered estimates in associated samples.

Compound ID: Checked compounds were within GC/MS quantitation and qualification limits. The mass spectra for detected compounds contained the primary and secondary ions, as outlined in SW846.

The result for chloroethane in sample MW-1N was quantitated by extrapolating data above the highest calibration standard and marked 'E' by the laboratory. This sample was diluted by the laboratory and re-analyzed; therefore, the result for chloroethane that is flagged as 'E' in the undiluted sample should be considered estimated (J) and the use of the diluted results for this compound is recommended. It is recommended that the undiluted results be used for all other compounds.



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QA/QC Review of Semi-Volatiles Data
for STL Newburgh, STL Lab No. 237960

Ground Water Samples
Collected June 30 and July 1, 2004

Prepared by: Donald Anné
August 16, 2004

Holding Times: Sample MW-8ARR was extracted outside SW-846 holding times. Results for MW-8ARR should be considered estimates (J).

GC/MS Tuning and Mass Calibration: All DFTPP tuning criteria were within control limits.

Initial Calibration: The RRFs for bis(2-chloroethoxy)methane were below the ASP required minimum but were greater than 0.010, and the %RSD for pentachlorophenol was above the allowable maximum, but was less than 100% on 06-21-04. No action is taken when four or fewer compounds per calibration do not meet ASP criteria.

The RRFs for naphthylene, 2-chloronaphthalene, acenaphthene, benzo(a)anthracene, fluorene, and benzo(k)fluoranthene were below the ASP required minimums but were greater than 0.010, and the %RSD for pentachlorophenol was above the allowable maximum, but was less than 100% on 07-14-04. Samples associated with this calibration should have been re-analyzed because greater than four compounds did not meet criteria. One sample, MW-8ARR that was associated with this initial calibration is a re-extraction of a sample that was associated with acceptable calibrations; therefore, no action was taken. Two other samples, MW-6A and MW-6ARE, were associated with the initial calibration and represent the original and re-analysis of the same sample. Results for compounds that were outside ASP criteria should be considered estimates in samples MW-6A and MW-6ARE.

The average RRFs for target compounds were above the allowable minimum (0.050), as required. The %RSDs for hexachlorocyclopentadiene (41.10%) and 2,4-dinitrophenol (38.87%) were above the allowable maximum (30%) on 06-21-04. The %RSDs for hexachlorocyclopentadiene (57.37%) and 2,4-dinitrophenol (30.14%) were above the allowable maximum (30%) on 06-22-04. Positive results for these two compounds should be considered estimates (J).

Continuing Calibration: The CCRFs for bis(2-chloroethoxy)methane, acenaphthene, fluorene, benzo(a)anthracene, and chrysene were below the ASP required minimums but were greater than 0.010, and the %RSD for pentachlorophenol was above the allowable maximum, but was less than 100% on 07-14-04 (CCV3071.D). The CCRFs for bis(2-chloroethoxy)methane, naphthalene, 2-chloronaphthalene, acenaphthene, fluorene, phenanthrene, benzo(a)anthracene, and chrysene were below the ASP required minimums but were greater than 0.010, and the %RSD for pentachlorophenol was above the allowable maximum, but was less than 100% on 07-19-04 (CCV3076.D). One sample, MW-8ARR, that was associated with these continuing calibrations is a re-extraction of a sample that is associated with acceptable calibrations; therefore, no action was taken. Two other samples, MW-6A and MW-6ARE, were associated with these continuing calibrations and represent the original and re-analysis of the same sample. Results for compounds that were outside ASP criteria should be considered estimates in samples MW-6A and MW-6ARE.

The CCRFs for target compounds were above the allowable minimum (0.050), as required. The %Ds for hexachlorocyclopentadiene (33.1%), 2,4-dinitrophenol (33.2%), 4-nitrophenol (37.2%), and pentachlorophenol (25.6%) were above the allowable maximum (25%) 07-14-04 (CCV3071.D). The %Ds for 4-chloroaniline (27.9%) was above the allowable maximum (25%) 07-08-04 (CCV3063.D). The %Ds for hexachlorocyclopentadiene (32.0%) was above the allowable maximum (25%) 07-12-04 (CCV3066.D). The %Ds for 4-nitrophenol (28.0%) and pentachlorophenol (25.7%) were above the allowable maximum (25%) 07-19-04 (CCV3076.D). Positive results for these compounds should be considered estimates (J) in associated samples.

Blanks: Method blank SBLK33 contained a trace of bis(2-ethylhexyl)phthalate (3 ug/L). Method blank SBLK34 contained a trace of bis(2-ethylhexyl)phthalate (2 ug/L). Results for bis(2-ethylhexyl)phthalate that are less than ten times the method blank level should be reported as not detected (U) in associated samples.

Internal Standard Area Summary: The internal standard retention times were within control limits. Two of 6 internal standard areas (IS1, IS2) for samples MW-6A and MW-6ARE were outside control limits. Results for samples MW-6A and MW-6ARE that are quantitated using internal standards IS1 and IS2 should be considered estimates (J).

Surrogate Recovery: Two of four acid extractable surrogate recoveries for sample MW-12 were above control limits. Positive acid extractable results for sample MW-12 should be considered estimates (J).

Three of four acid extractable surrogate recoveries for sample MW-8A were below control limits and were less than 10%. Four of four acid extractable surrogate recoveries for samples MW-6A and MW-6ARE, and 3 of 4 acid extractable surrogate recoveries for sample MW-8A were below control limits and were less than 10%. Two of four base/neutral surrogate recoveries for sample MW-6ARE, 3 of 4 base/neutral surrogate recoveries for sample MW-6A, and 4 of 4 base/neutral surrogate recoveries for sample MW-8A were below control limits and were less than 10%. Positive results for samples MW-8A, MW-6A and MW-6ARE should be considered estimates (J) and negative results unusable (R).

Matrix Spike/Matrix Spike Duplicate: The relative percent differences (RPDs) were below the allowable maximums, but 6 of 22 %Rs (percent recoveries) were outside control limits for MS/MSD sample ZZZZZZ33. The RPDs were below the allowable maximums, but 7 of 22 %Rs were outside control limits for MS/MSD sample MW-7. No action is taken on MS/MSD data alone to qualify or reject an entire set of samples.

Blank Spike Recovery: The percent recoveries (%Rs) were within QC limits for sample SBSPK43. The %R for 4-nitrophenol in sample SBSPK33 was below QC limits. The %Rs for 1,2,4-trichlorobenzene and 4-nitrophenol in sample SBSPK34 were below QC limits. The %Rs for 1,2,4-trichlorobenzene and 4-nitrophenol in sample SBSPK37 were below QC limits. Results for 1,2,4-trichlorobenzene and 4-nitrophenol should be considered estimates (J) in associated samples.

Compound ID: Checked compounds were within GC quantitation limits. The mass spectra for detected compounds contained the primary and secondary ions, as outlined in SW846.



QA/QC Review of Pesticide Data for
STL Newburgh, STL Lab No. 237960

Ground Water Samples
Collected June 30 and July 1, 2004

Data Validation
Environmental Chemistry
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Sampling Plans

Prepared by: Donald Anné
August 16, 2004

Holding Times: Samples were extracted and analyzed within SW-846 holding times.

Blanks: The analyses of the method and field blanks reported target arochlors as not detected.

Surrogate Recovery: One of two surrogate recoveries for samples MW-4B, MW-9B, MW-6A, and MW-6B was below advisory limits on one or both columns. Results for these samples should be considered estimates (J).

Matrix Spike/Matrix Spike Duplicate: The relative percent differences (RPDs) were below the allowable maximums, but 1 of 12 %Rs (percent recoveries) was outside QC limits for MS/MSD sample MW-8B. Two of 6 RPDs was below the allowable maximum and 1 of 12 %Rs was outside QC limits for MS/MSD sample ZZZZZ. No action is taken on MS/MSD data alone to qualify or reject an entire set of samples.

Blank Spike Recovery: The percent recoveries (%Rs) were within QC limits for sample PBSPK23. The %R for gamma-BHC and aldrin were below QC limits for soil sample PBSPK22. Results for these two pesticides should be considered estimates (J) in associated samples.

Pesticide Analytical Sequence: The retention times for TCX and DCB were within control limits for both columns.

Initial Calibration: The %RSDs for target pesticides were below the allowable maximum (20%), as required.

Pesticide Calibration Verification Summary (PEM): The %RPDs for target pesticides were below the allowable maximum (25%), as required. The percent breakdowns were below the allowable maximums for 4,4'-DDT (20%), endrin (20%), and combined (30%), as required.

Pesticide Calibration Verification Summary (INDA & INDB): The %RPDs for target pesticides were below the allowable maximum (25%), as required.

Pesticide Identification Summary for Single Component Analytes: Checked surrogate results were within GC quantitation limits. There were no detectable concentrations of target single component pesticides reported in samples contained in this data pack.

Pesticide Identification Summary for Multi-component Analytes: There were no detectable concentrations of target multi-component pesticides reported in samples contained in this data pack.



QA/QC Review of PCB Data for
STL Newburgh, STL Lab No. 237960

Ground Water Samples
Collected June 30 and July 1, 2004

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Environmental Chemistry

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Sampling Plans

Prepared by: Donald Anné
August 16, 2004

Holding Times: Samples were extracted and analyzed within SW-846 holding times.

Blanks: The analyses of the method and field blanks reported target arochlors as not detected.

Surrogate Recovery: One of 2 surrogate recoveries for sample MW-11A was above advisory limits on one column. Positive results for sample MW-11A should be considered estimates (J).

One of 2 surrogate recoveries for samples MW-9B, MW-6A, and MW-6B was below advisory limits on one or both columns. Results for sample MW-9B, MW-6A, and MW-6B should be considered estimates (J).

Matrix Spike/Matrix Spike Duplicate: The relative percent difference (RPD) was below the allowable maximum (20%) and the percent recoveries (%Rs) were within QC limits (43-93%) for MS/MSD sample ZZZZ. The RPD was below the allowable maximum (35%), but 1 of 2 %Rs was above QC limits (43-93%) for MS/MSD sample MW-8B. No action is taken on MS/MSD data alone to qualify or reject an entire set of samples.

Blank Spike Recovery: The percent recoveries for arochlor-1242 were within QC limits for samples PBSPK22 and PBSPK23.

Initial Calibration: The %RSDs for PCB arochlors were below the allowable maximum (20%), as required.

PCB Analytical Sequence: The retention times for TCX and DCB were within control limits on both columns.

Continuing Calibration: The average %Ds for arochlor-1260 (19.9%) for signal #1, and arochlor-1260 (18.4%) for signal #2 were above the allowable maximum (15%) on 07-09-04 (AR166007). The average %Ds for arochlor-1016 (19.5%) for signal #1 and arochlor-1016 (19.9%) for signal #2 were above the allowable maximum (15%) on 07-12-04 (AR166007). The average %Ds for arochlor-1016 (18.2%) for signal #1 and arochlor-1016 (20.6%) for signal #2 were above the allowable maximum (15%) on 07-13-04 (AR166009). Positive results for these arochlors should be considered estimates (J) in associated samples.

PCB Identification Summary for Multicomponent Analytes: Checked surrogate results were within GC quantitation limits. There were no detectable concentrations of target PCB arochlors reported in samples contained in this data pack.



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QA/QC Review of TAL Metals Data
for STL Newburgh, STL Lab No: 237960

Ground Water Samples
Collected June 30 and July 1, 2004

Prepared by: Donald Anné
August 16, 2004

Holding Times: The samples were analyzed within SW-846 holding times.

Initial and Continuing Calibration Verification: The percent recoveries for target metals were within control limits (90-110% for all metals except 80-120% for Hg).

CRDL Standard for AA and ICP: The percent recoveries for selenium were below control limits (80-120%) on 07-16-04. The result for selenium in sample MW-8B should be considered an estimate (J).

Blanks: The analyses of initial and continuing calibration, and preparation blanks reported target metals as below the CRDLs, as required.

ICP Interference Check Sample: The percent recoveries for target metals were within control limits (80-120%).

Spike Sample Recovery: The percent recoveries for iron (46.8%) and silver (58.7%) were below control limits (75-125%) for spike sample MW-7S. The percent recoveries for iron (35.5%), lead (47.8%), selenium (21.2%), and silver (62.3%) was below control limits (75-125%) for the spike sample MW-8BS. Results for iron, lead, selenium, and silver should be considered estimates (J) in associated samples.

Duplicates: The relative percent differences for lead (109.5%) and selenium (200.0%) were above the allowable maximum (20%) for duplicate sample MW-8BD. Positive results for lead and selenium should be considered estimates (J) in associated samples

Laboratory Control Sample: The percent recoveries for target metals were within control limits (80-120%) for LCSs.

Standard Addition Results: No samples were quantitated by MSA in this data pack.

ICP Serial Dilution: The analyses of serial dilution samples MW-7L and MW-8BL were acceptable.

Instrument Detection Limits: The IDLs were at or below CRDLs, as required.



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QA/QC Review of Cyanide Data for
STL Newburgh, STL Lab No: 237960

Ground Water Samples
Collected June 30 and July 1, 2004

Prepared by: Donald Anné
August 16, 2004

Holding Times: The samples were analyzed within SW-846 holding times.

Initial and Continuing Calibration Verification: The percent recoveries for cyanide were within control limits (85-115%).

Blanks: The analyses of initial and continuing calibration, and preparation blanks reported cyanide as not detected.

Spike Sample Recovery: The percent recoveries for cyanide were within control limits (75-125%) for spike samples ZZZZZS, MW-7S, and MW-8BS.

Duplicates: The analyses of duplicate sample pairs ZZZZZ/ZZZZZD, MW-7/MW-7D, and MW-8B/MW-8D reported cyanide as not detected, and are acceptable.



QA/QC Review of Total Recoverable Phenolics
Data for STL Newburgh, STL Lab No: 237960

Ground Water Samples
Collected June 30 and July 1, 2004

Prepared by: Donald Anné
August 16, 2004

Holding Times: The samples were analyzed within SW-846 holding times.

Initial and Continuing Calibration Verification: The percent recoveries for total recoverable phenolics were within control limits (85-115%).

Blanks: The analyses of initial and continuing calibration, and method blanks reported total recoverable phenolics as not detected.

Spike Sample Recovery: The percent recoveries for total recoverable phenolics were within control limits (75-125%) for the spike samples MW-7 and MW-8B.

Duplicates: The analyses of duplicate samples reported total recoverable phenolics as not detected for both the sample and duplicate, and are acceptable.

Laboratory Control Sample: The percent recoveries for total recoverable phenolics were within control limits for the LCS.



Geology

Hydrology

Remediation

Water Supply

February 10, 2006

Mr. Mark J. Schumacher
Delta Environmental Consultants, Inc.
104 Jamesville Road
Syracuse, New York 13204

Re: Data Validation Report
Cooper Project
October 2005 Surface Water Sampling Event
October 2005 Sediment and Test Pit Soil Sampling Events
November 2005 Ground Water Sampling Event

Dear Mr. Schumacher:

The data usability summary reports and QA/QC reviews are attached to this letter for the Cooper Project above referenced sampling events. The data for STL Buffalo, job numbers A05-C059/C060, A05-C062, A05-C234, A05-D400, and A05-D401 were mostly acceptable with some issues that are identified and discussed in the validation summaries. There were semi-volatile data that were flagged unusable (R) in data pack job numbers A05-C059/C060 and A05-C062. The individual QA/QC reviews contain the explanation for rejecting the data, based solely on the validation guidance criteria. The rejected data may be determined to be acceptable to the user based on additional information that is not contained in the data validation criteria.

A list of common data validation acronyms is attached to this letter to assist you interpreting the validation summaries. If you have any questions concerning the work performed, please contact me at (518) 348-6995. Thank you for the opportunity to assist Delta Environmental Consultants, Inc.

Sincerely,
Alpha Geoscience

Donald Anné
Senior Chemist

DCA:dca
attachments

E:\projects\2006\06600-06620\06608-cooper\schumach1.ltr.wpd

Data Validation Qualifiers Used in the QA/QC Reviews for USEPA Region II

- U = Not detected. The associated number indicates the approximate sample concentration necessary to be detected significantly greater than the level of the highest associated blank.
- R = Unreliable result; data is rejected or unusable. Analyte may or may not be present in the sample. Supporting data or information is necessary to confirm the result.
- N = Tentative identification. Analyte is considered present. Special methods may be needed to confirm its presence or absence during future sampling efforts.
- J = Analyte is present. Reported value may be associated with a higher level of uncertainty than is normally expected with the analytical method.
- UJ = Not detected, quantitation limit may be inaccurate or imprecise.

Note: These qualifiers are used for data validation purposes. The data validation qualifiers may differ from the qualifiers that the laboratory assigns to the data. Refer to the laboratory analytical report for the definitions of the laboratory qualifiers.

Data Validation Acronyms

AA	Atomic absorption; flame technique
BHC	Hexachlorocyclohexane
BFB	Bromofluorobenzene
CCB	Continuing calibration blank
CCC	Calibration check compound
CCV	Continuing calibration verification
CN	Cyanide
CRDL	Contract required detection limit
CRQL	Contract required quantitation limit
CVAA	Atomic adsorption, cold vapor technique
DCAA	2,4-Dichlophenylacetic acid
DCB	Decachlorobiphenyl
DFTPP	Decafluorotriphenyl phosphine
ECD	Electron capture detector
FAA	Atomic absorption, furnace technique
FID	Flame ionization detector
FNP	1-Fluoronaphthalene
GC	Gas chromatography
GC/MS	Gas chromatography/mass spectrometry
GPC	Gel permeation chromatography
ICB	Initial calibration blank
ICP	Inductively coupled plasma-atomic emission spectrometer
ICV	Initial calibration verification
IDL	Instrument detection limit
IS	Internal standard
LCS	Laboratory control sample
LCS/LCSD	Laboratory control sample/laboratory control sample duplicate
MSA	Method of standard additions
MS/MSD	Matrix spike/matrix spike duplicate
PID	Photo ionization detector
PCB	Polychlorinated biphenyl
PCDD	Polychlorinated dibenzodioxins
PCDF	Polychlorinated dibenzofurans
QA	Quality assurance
QC	Quality control
RF	Response factor
RPD	Relative percent difference
RRF	Relative response factor
RRF(number)	Relative response factor at concentration of the number following
RT	Retention time
RRT	Relative retention time
SDG	Sample delivery group
SPCC	System performance check compound
TCX	Tetrachloro-m-xylene
%D	Percent difference
%R	Percent recovery
%RSD	Percent relative standard deviation



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**Data Usability Summary Report for
STL Buffalo, Job Nos. A05-C059, A05-C060**

**9 Test Pit Soil Samples,
11 Sediment Samples, and 1 Trip Blank
Collected October 24 and 25, 2005**

Prepared by: Donald Anné
February 10, 2006

The data packages contain the documentation required by NYSDEC ASP. The proper chain of custody procedures were followed by the samplers. All information appeared legible and complete. The data packs contained the results for 9 test pit soil samples that were analyzed for volatile, semi-volatile, and metals; 11 sediment samples that were analyzed for volatile, semi-volatile, PCB, metals, and total organic carbon (TOC); and 1 trip blank analyzed for volatiles only.

The overall performances of the analyses are acceptable. STL Buffalo did fulfill the requirements of the analytical methods. The samples were prepared and analyzed within SW-846 holding times.

The data generally are acceptable with some issues that are identified in the accompanying data validation reviews. The following data were flagged:

- The semi-volatile results for bis(2-ethylhexyl)phthalate in the following samples were flagged "not detected" (U) because the concentrations of bis(2-ethylhexyl)phthalate were not significantly greater (more than ten times) than the level in the associated method blank.

SED-10	SED-11	SED-12	SED-14	SED-18
TP-23	TP-26 DL	TP-30	TP-32	
- There were semi-volatile results for some compounds in samples TP-21, TP-26, and TP-28 that were quantitated using data that were extrapolated beyond the highest calibration standard and flagged "E" by the laboratory. Results for these compounds marked "E" in the undiluted sample were qualified as estimates (J).
- The several semi-volatile results for sample TP-26 were flagged as "estimated" (J) because the results were quantitated using internal standards IS2 and IS6 with areas outside control limits.
- The "not detected" result for 4,6-dinitro-2-methylphenol in the following test pit soil samples were flagged as "unusable" (R) because the response factor for 4,6-dinitro-2-methylphenol was below the allowable minimum in the associated continuing calibration.

TP-21	TP-23	TP-26	TP-28	TP-OW-2
TP-30	TP-34	TP-35		

- All PCB aroclor results for sample SED-18 were flagged as “estimated” (J) because one of two surrogate recoveries were below advisory limits, but was not less than 10%.
- Positive PCB aroclor results for sample SED-14 were flagged as “estimated” (J) and “not detected” aroclor results were flagged unusable (R) because one of two surrogate recoveries was below advisory limits, and was less than 10%.
- All results for antimony and TOC were flagged as “estimated” (J) in all 11 sediment samples because spike recoveries for antimony and TOC were below control limits for MS/MSD sample SED-19.
- Positive results for manganese were flagged as “estimated” (J) in all 11 sediment samples because spike recoveries for manganese were above control limits for MS/MSD sample SED-19.
- Positive results for chromium, copper, mercury, and zinc were flagged as “estimated” (J) in all 11 sediment and all 9 test pit soil samples because the spike recoveries for these metals were outside control limits for MS/MSD sample SED-19.
- Positive results for arsenic, cadmium, lead, and nickel were flagged as “estimated” (J) in all 11 sediment and all 9 test pit soil samples because the the relative percent differences were above the allowable maximum (10%) for MS/MSD sample SED-19.
- Positive results for calcium, iron, and magnesium were flagged as “estimated” (J) in all 11 sediment samples because the the relative percent differences were above the allowable maximum (10%) for MS/MSD sample SED-19.
- Metal results were flagged as “estimated” (J) in all 11 sediment samples and samples TP-21, TP-23, and TP26 because the percent solids was below the allowable minimum (50%).

All data that are not flagged rejected (R) are considered usable, with estimated (J) data associated with a higher level of quantitative uncertainty. Detailed information on data quality is included in the data validation reviews.

The “not detected” 4,6-dinitro-2-methylphenol data that were qualified as “R” were associated with method-compliant calibrations, and the response factors for 4,6-dinitro-2-methylphenol were greater than 0.010. It is this reviewer’s opinion that although the validation guidelines recommend that the data should be considered unusable, the “R” data may be acceptable to the user, based on the preceding facts and additional information that is not contained in the validation criteria. The user is cautioned that there is a higher degree of analytical uncertainty associated with the R-flagged data, because the relative response factors for those compounds were less than 0.050.



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**QA/QC Review of Volatiles Data for
STL Buffalo, Job Nos. A05-C059, A05-C060**

**9 Test Pit Soil Samples,
11 Sediment Samples, and 1 Trip Blank
Collected October 24 and 25, 2005**

Prepared by: Donald Anné
February 10, 2006

Holding Times: Samples were analyzed within SW-846 holding times.

GC/MS Tuning and Mass Calibration: The BFB tuning criteria were within control limits.

Initial Calibration: The RRFs for 1,1,2,2-tetrachloroethane were below the ASP required minimum, but were greater than 0.010 for HP5973O on 10-31-05. No action is taken when two or fewer compounds per calibration do not meet ASP criteria, provided the %RSDs are not greater than 40% and the RRFs are not less than 0.010.

The average RRFs for target compounds were above the allowable minimum (0.050) and the %RSDs were below the allowable maximum (30%), as required.

Continuing Calibration: The RRF50 for 1,1,2,2-tetrachloroethene was below the ASP required minimum but was greater than 0.010 on 11-05-05 (O8691.RR). No action is taken when two or fewer compounds per calibration do not meet ASP criteria, provided the %Ds are not greater than 40% and RRF50s are not less than 0.010.

The CCRFs for target compounds were above the allowable minimum (0.050), as required.

The %Ds for chloromethane (28.3%), 2-butanone (29.6%) 4-methyl-2-pentanone (25.8%), and methyl acetate (26.4%) were above the allowable maximum (25%) on 11-01-05 (O8550.RR). Positive results for these compounds should be considered estimates (J) in associated samples.

Blanks: The analyses of method, holding, and trip blanks reported target compounds as not detected.

Internal Standard Area Summary: All internal standard areas and retention times were within control limits.

Surrogate Recovery: The surrogate recoveries were within control limits for environmental samples.

Matrix Spike/Matrix Spike Duplicate: The relative percent differences were below the allowable maximums and percent recoveries were within control limits for MS/MSD sample SED-19.

Blank Spike Recovery: The percent recoveries were within QC limits for samples VBLK99, VBLK00, VBLK02, and VBLK03.

Compound ID: Checked compounds were within GC/MS quantitation and qualification limits. The mass spectra for detected compounds contained the primary and secondary ions, as outlined in SW846.



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**QA/QC Review of Semi-Volatiles Data for
STL Buffalo, Job Nos. A05-C059, A05-C060**

**9 Test Pit Soil Samples and
11 Sediment Samples
Collected October 24 and 25, 2005**

Prepared by: Donald Anné
February 10, 2006

Holding Times: Samples were extracted and analyzed SW-846 holding times.

GC/MS Tuning and Mass Calibration: The DFTPP tuning criteria were within control limits.

Initial Calibration: The RRFs for 2,6-dinitrotoluene, and 2,4-dinitrotoluene were below the ASP required minimum but were greater than 0.010, and the %RSDs for 2,6-dinitrotoluene, and 2,4-dinitrotoluene were above ASP required maximum, but was less than 40% for HP5973V on 10-21-05. No action is taken when four or fewer compounds per calibration do not meet ASP criteria, provided the %RSDs are not greater than 40% and the RRFs are not less than 0.010.

The average RRFs for target compounds were above the allowable minimum (0.050) and the %RSDs were below the allowable maximum (30%), as required.

Continuing Calibration: The RRF50 for 2,6-dinitrotoluene was below the ASP required minimum but were greater than 0.010 on 11-02-05 (V12262.RR). The %Ds for 2,6-dinitrotoluene, and 2,4-dinitrotoluene were above ASP required maximum, but were less than 40% on 11-03-05 (V12289.RR). No action is taken when four or fewer compounds per calibration do not meet ASP criteria, provided the %Ds are not greater than 40% and the RRF50s are not less than 0.010.

The %D for caprolactam (33.1%) was above the allowable maximum (25%) 11-02-05 (V12262.RR). The %Ds for caprolactam (27.4%), 2,6-dinitrotoluene (30.5%), 2,4-dinitrophenol (99.5%), 2,4-dinitrotoluene (30.8%), and 4,6-dinitro-2-methylphenol (64.3%) were above the allowable maximum (25%) on 11-03-05 (V12289.RR). Positive results for the above compounds should be considered estimates (J) in associated samples.

The RFF50 for 4,6-dinitro-2-methylphenol (0.0454) was below the allowable minimum (0.050) on 11-02-05 (V12262.RR). Positive result for 4,6-dinitro-2-methylphenol should be considered estimates (J) and negative results unusable (R) in associated samples.

Blanks: Method blank S Blank contained a trace of bis(2-ethylhexyl)phthalate (30 ug/kg). Results for bis(2-ethylhexyl)phthalate that are less than ten times the method blank level should be reported as not detected (U) in associated samples (J).

Internal Standard Area Summary: The internal standard retention times were within control limits. Two of six internal standard areas for sample TP-26 (IS2, IS6) were below control limits. Results for sample TP-26 that were quantitated using internal standards IS2 and IS6 should be considered estimates (J).

Surrogate Recovery: One of four acid extractable surrogate recoveries for samples TP-21, TP-23, TP-28, TP-35, and TP-OW-2 was above control limits. One of four base/neutral surrogate recoveries for sample TP-26 was above control limits. No action is taken on surrogate per fraction outside control limits, provided no recovery is less than 10%.

Matrix Spike/Matrix Spike Duplicate: One of nine relative percent differences was above the allowable maximum, and 1 of 18 %Rs (percent recoveries) was outside control limits for MS/MSD sample SED-19. No action is taken on MS/MSD data alone to qualify or reject an entire set of samples.

Blank Spike Recovery: The percent recoveries were within QC limits for sample S Blank.

Compound ID: Checked compounds were within GC quantitation limits. The mass spectra for detected compounds contained the primary and secondary ions, as outlined in SW846.

There were semi-volatile results for samples TP-21, TP-26, and TP-28 that were quantitated by extrapolating data above the highest calibration standard and marked 'E' by the laboratory. The sample was diluted by the laboratory and re-analyzed; therefore, the results for compounds that are flagged as 'E' in the undiluted sample should be considered estimates (J) and the use of the diluted results for those compounds is recommended. It is recommended that the undiluted results be used for all other compounds.



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**QA/QC Review of PCB Data for
STL Buffalo, Job Nos. A05-C059, A05-C060**

**11 Sediment Samples
Collected October 25, 2005**

Prepared by: Donald Anné
February 10, 2006

Holding Times: Samples were extracted and analyzed within SW-846 holding times.

Blanks: The analyses of the method blanks reported target arochlors as not detected.

Surrogate Recovery: The surrogates for samples SED-15, SED-16, and SED-17 were diluted beyond detection limits. No action is taken on surrogates diluted beyond detection limits.

One of two surrogate recoveries for sample SED-18 was below advisory limits, but was not less than 10%. All results for SED-18 should be considered estimates (J).

One of two surrogate recoveries for sample SED-14 was below advisory limits and was less than 10%. Positive results for sample SED-18 should be considered estimates (J) and negative results unusable (R).

Matrix Spike/Matrix Spike Duplicate: Both relative percent difference were above the allowable maximum (35%) and 1 of 4 %Rs (percent recoveries) was outside QC limits for MS/MSD sample SED-19. No action is taken on MS/MSD data alone to qualify or reject an entire set of samples.

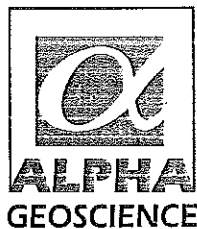
Blank Spike Recovery: The percent recoveries for arochlor-1016 and arochlor-1260 were within QC limits for the blank spike sample.

Initial Calibration: The correlation coefficients for target arochlors were greater than the allowable minimum (0.995).

Continuing Calibration: The %D for arochlor-1016 (15.6%) was above the allowable maximum (15%) on 10-28-05 (ICM66MJ). Positive results for arochlor-1016 should be considered estimates (J) in associated samples.

PCB Identification Summary for Multicomponent Analytes: Checked surrogates were within GC quantitation limits. Detected arochlors were confirmed on a second, dissimilar column.

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**QA/QC Review of Metals Data for
STL Buffalo, Job Nos: A05-C059, A05-C060**

**9 Test Pit Soil Samples and
11 Sediment Samples
Collected October 24 and 25, 2005**

Prepared by: Donald Anné
February 10, 2006

Holding Times: The samples were analyzed within SW-846 holding times.

Initial and Continuing Calibration Verification: The percent recoveries for target metals were within control limits (90-110% for all metals except 80-120% for Hg).

CRDL Standard for AA and ICP: The percent recovery for cadmium (78.0% and 67.0%) were above control limits (80-120%) for the TAL metal CRDL standard. All results for cadmium that are less than 2 times the CRDL should be considered estimates (J) in sediment samples.

Blanks: The analyses of initial and continuing calibration, and preparation blanks reported target metals as below the CRDLs, as required.

ICP Interference Check Sample: The percent recoveries for target metals were within control limits (80-120%).

Spike Sample Recovery: The percent recoveries (%Rs) for chromium (129.6%, 128.2%), manganese (142.1%, 177.4%), mercury (158.1%, 154.6%), and zinc (132.3%) were above control limits (75-125%) for MS/MSD sample SED-19. Positive results for these metals should be considered estimates (J).

The %Rs for antimony (55.3%, 59.8%) and copper (16.1%) were below control limits (75-125%) but were not less than 10% for MS/MSD sample SED-19. All results for these metals should be considered estimates (J).

Duplicates: The relative percent differences for the following metals were above the allowable maximum (35%) for MS/MSD sample SED-19. Positive results for these metals should be considered estimates (J).

arsenic (56.4%)	cadmium (53.2%)	calcium (52.2%)
chromium (100.5%)	iron (43.0%)	lead (48.1%)
manganese (37.6%)	magnesium (67.5%)	nickel (55.6%)

Laboratory Control Sample: The recoveries for TAL metals were within control limits for the sediment LCS.

The recoveries for arsenic, beryllium, and copper were above control limits for the soil LCS. Positive results for arsenic, beryllium, and copper should be considered estimates (J) in the test pit soil samples.

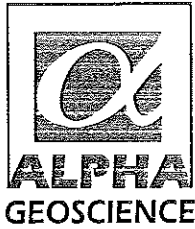
ICP Serial Dilution: The %Ds for applicable metals were below the allowable maximum (10%) for serial dilution sample SED-19L, as required.

The %D for nickel (13.4%) was above the allowable maximum (10%) for serial dilution sample TP-21L. Results for nickel that are above the CRDL should be considered estimates (J) in test pit soil samples.

Instrument Detection Limits: The IDLs were at or below CRDLs, as required.

Percent Solids: The percent solids for the following samples were below the allowable minimum (50%), but were above 10%. Results for these samples should be considered estimates (J).

SED-10 (33%)	SED-11 (39%)	SED-12 (23%)	SED-13 (42%)
SED-14 (43%)	SED-15 (20%)	SED-16 (17%)	SED-17 (15%)
SED-18 (24%)	SED-19 (47%)	SED-19A (43%)	TP-21 (43%)
TP-23 (45%)	TP-26 (47%)		



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**QA/QC Review of Total Organic Carbon (TOC) Data
for STL Buffalo, Job Nos. A05-C059, A05-C060**

**11 Sediment Samples
Collected October 25, 2005**

**Prepared by: Donald Anné
February 10, 2006**

Holding Times: The samples were analyzed within SW-846 holding times.

Initial and Continuing Calibration Verification: The percent recoveries for TOC were within control limits (85-115%).

Blanks: The analyses of continuing calibration and method blanks reported TOC as not detected.

Spike Sample Recovery: The percent recoveries for TOC were below control limits (75-125%) for MS/MSD sample SED-19. Results for TOC should be considered estimates (J).

Duplicates: The relative percent difference for TOC was above the allowable maximum (35%) for MS/MSD sample SW-19, as required. Positive results for TOC should be considered estimates (J).

Laboratory Control Sample: The percent recovery for TOC was within control limits (80-120%) for the LCS.

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**Data Usability Summary Report for
STL Buffalo, Job No. A05-C062**

**11 Surface Water Samples and 1 Trip Blank
Collected October 25, 2005**

Prepared by: Donald Anné
February 10, 2006

The data packages contain the documentation required by NYSDEC ASP. The proper chain of custody procedures were followed by the samplers. All information appeared legible and complete. The data packs contained the results for 11 surface water samples that were analyzed for volatile, semi-volatile, metals and total recoverable phenolics, and 1 trip blank analyzed for volatiles only.

The overall performances of the analyses are acceptable. STL Buffalo did fulfill the requirements of the analytical methods. The samples were prepared and analyzed within SW-846 holding times.

The data generally are acceptable with some issues that are identified in the accompanying data validation reviews. The following data were flagged:

- There were volatile results for some compounds in sample SW-16 that were quantitated using data that were extrapolated beyond the highest calibration standard and flagged "E" by the laboratory. Results for these compounds marked "E" in the undiluted sample were qualified as estimates (J).
- The "not detected" results for 4,6-dinitro-2-methylphenol in all surface water samples except SW-12 and SW-13 were flagged as "unusable" (R) because the response factor for 4,6-dinitro-2-methylphenol was below the allowable minimum in the associated continuing calibration.

All data that are not flagged rejected (R) are considered usable, with estimated (J) data associated with a higher level of quantitative uncertainty. Detailed information on data quality is included in the data validation reviews.

The "not detected" 4,6-dinitro-2-methylphenol data that were qualified as "R" were associated with method-compliant calibrations, and the response factors for 4,6-dinitro-2-methylphenol were greater than 0.010. It is this reviewer's opinion that although the validation guidelines recommend that the data should be considered unusable, the "R" data may be acceptable to the user, based on the preceding facts and additional information that is not contained in the validation criteria. The user is cautioned that there is a higher degree of analytical uncertainty associated with the R-flagged data, because the relative response factors for those compounds were less than 0.050.

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**QA/QC Review of Volatiles Data
for STL Buffalo, Job No. A05-C062**

**11 Surface Water Samples and 1 Trip Blank
Collected October 25, 2005**

**Prepared by: Donald Anné
February 10, 2006**

Holding Times: Samples were analyzed within SW-846 holding times.

GC/MS Tuning and Mass Calibration: The BFB tuning criteria were within control limits.

Initial Calibration: The RRFs for 1,1,2,2-tetrachloroethane were below the ASP required minimum, but were greater than 0.010 for HP5973O on 10-31-05. No action is taken when two or fewer compounds per calibration do not meet ASP criteria, provided the %RSDs are not greater than 40% and the RRFs are not less than 0.010.

The average RRFs for target compounds were above the allowable minimum (0.050) and the %RSDs were below the allowable maximum (30%), as required.

Continuing Calibration: The RRF50 for 1,1,2,2-tetrachloroethene was below the ASP required minimum but was greater than 0.010 on 10-31-05 (O8529.RR). No action is taken when two or fewer compounds per calibration do not meet ASP criteria, provided the %Ds are not greater than 40% and RRF50s are not less than 0.010.

The CCRFs for target compounds were above the allowable minimum (0.050) and the %Ds were below the allowable maximum (25%), as required.

Blanks: The analyses of method, holding, and trip blanks reported target compounds as not detected.

Internal Standard Area Summary: All internal standard areas and retention times were within control limits.

Surrogate Recovery: The surrogate recoveries were within control limits for environmental samples.

Matrix Spike/Matrix Spike Duplicate: The relative percent differences were below the allowable maximums, but all the percent recoveries were outside control limits for MS/MSD sample SW-19. No action is taken on MS/MSD data alone to qualify or reject an entire set of samples.

Blank Spike Recovery: The percent recoveries were within QC limits for sample VBLK93.

Compound ID: Checked compounds were within GC/MS quantitation and qualification limits. The mass spectra for detected compounds contained the primary and secondary ions, as outlined in SW846.

There were volatile results for sample SW-16 that were quantitated by extrapolating data above the highest calibration standard and marked 'E' by the laboratory. The sample was diluted by the laboratory and re-analyzed; therefore, the results for compounds that are flagged as 'E' in the undiluted sample should be considered estimates (J) and the use of the diluted results for those compounds is recommended. It is recommended that the undiluted results be used for all other compounds.



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**QA/QC Review of Semi-Volatiles Data
for STL Buffalo, Job No. A05-C062**

**11 Surface Water Samples
Collected October 24, 2005**

Prepared by: Donald Anné
February 10, 2006

Holding Times: Samples were extracted and analyzed SW-846 holding times.

GC/MS Tuning and Mass Calibration: The DFTPP tuning criteria were within control limits.

Initial Calibration: The RRFs for 2,6-dinitrotoluene, and 2,4-dinitrotoluene were below the ASP required minimum but were greater than 0.010, and the %RSDs for 2,6-dinitrotoluene, and 2,4-dinitrotoluene were above ASP required maximum, but was less than 40% for HP5973V on 10-21-05. No action is taken when four or fewer compounds per calibration do not meet ASP criteria, provided the %RSDs are not greater than 40% and the RRFs are not less than 0.010.

The average RRFs for target compounds were above the allowable minimum (0.050), as required.

The %RSDs for hexachlorocyclopentadiene (57.37%) and 2,4-dinitrophenol (30.14%) were above the allowable maximum (30%) for HP5973V on 10-25-05. Positive results for these two compounds should be considered estimates (J) in associated samples.

Continuing Calibration: The %D for 2,4-dinitrotoluene was above the ASP required maximum, but was less than 40% on 11-01-05 (V12234.RR). The RRF50 for 2,6-dinitrotoluene was below the ASP required minimum but was greater than 0.010 on 11-02-05 (V12262.RR). No action is taken when four or fewer compounds per calibration do not meet ASP criteria, provided the %Ds are not greater than 40% and the RRF50s are not less than 0.010.

The RFF50 for 4,6-dinitro-2-methylphenol (0.0454) was below the allowable minimum (0.050) on 11-02-05 (V12262.RR). Positive result for 4,6-dinitro-2-methylphenol should be considered estimates (J) and negative results unusable (R) in associated samples.

The %Ds for 2,4-dinitrophenol (53.1%), 2,4-dinitrotoluene (29.3%), and 4,6-dinitro-2-methylphenol (38.2%) were above the allowable maximum (25%) on 11-01-05 (V12234.RR). The %D for caprolactam (33.1%) was above the allowable maximum (25%) 11-02-05 (V12262.RR). Positive results for the above compounds should be considered estimates (J) in associated samples.

Blanks: The analysis of the method blank reported target compounds as not detected.

Internal Standard Area Summary: The internal standard areas and retention times were within control limits.

Surrogate Recovery: One of four acid extractable surrogate recoveries for samples SW-17 and SW-19A was above control limits. No action is taken on surrogate per fraction outside control limits, provided no recovery is less than 10%.

Matrix Spike/Matrix Spike Duplicate: One of nine relative percent differences was above the allowable maximum, and 3 of 18 %Rs (percent recoveries) were outside control limits for MS/MSD sample SW-19. No action is taken on MS/MSD data alone to qualify or reject an entire set of samples.

Blank Spike Recovery: The percent recoveries were within QC limits for sample S Blank.

Compound ID: Checked compounds were within GC quantitation limits. The mass spectra for detected compounds contained the primary and secondary ions, as outlined in SW846.



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**QA/QC Review of Metals Data for
STL Buffalo, Job No. A05-C062**

**11 Surface Water Samples
Collected October 25, 2005**

Prepared by: Donald Anné
February 10, 2006

Holding Times: The samples were analyzed within SW-846 holding times.

Initial and Continuing Calibration Verification: The percent recoveries for target metals were within control limits (90-110%).

CRDL Standard for AA and ICP: The percent recoveries for target metals were within control limits (80-120%).

Blanks: The analyses of initial and continuing calibration, and preparation blanks reported target metals as below the CRDLs, as required.

ICP Interference Check Sample: The percent recoveries for target metals were within control limits (80-120%).

Spike Sample Recovery: The percent recoveries for target metals were within control limits (75-125%) for MS/MSD sample SW-19.

Duplicates: The relative percent differences for target metals were below the allowable maximum (20%) for MS/MSD sample SW-19, as required.

Laboratory Control Sample: The percent recoveries for target metals were within control limits (80-120%) for the aqueous LCS.

ICP Serial Dilution: The %Ds for applicable target metals were below the allowable maximum (10%) for serial dilution sample SW-19L, as required.

Instrument Detection Limits: The IDLs were at or below CRDLs, as required.

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**QA/QC Review of Total Recoverable Phenolics
Data for STL Buffalo, Job No. A05-C062**

**11 Surface Water Samples
Collected October 25, 2005**

**Prepared by: Donald Anné
February 10, 2006**

Holding Times: The samples were analyzed within SW-846 holding times.

Initial Calibration: The correlation coefficient (0.999999) was above the allowable minimum (0.995), as required.

Blanks: The analyses of the method blank reported total recoverable phenolics as not detected.

Spike Sample Recovery: The percent recoveries for total recoverable phenolics were within control limits (75-125%) for MS/MSD sample SW-19.

Duplicates: The relative percent difference for total recoverable phenolics was below the allowable maximum (20%) for MS/MSD sample SW-19, as required.

Laboratory Control Sample: The percent recovery for total recoverable phenolics was within control limits (80-120%) for the aqueous LCS.



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**Data Usability Summary Report for
STL Buffalo, Job No. A05-C234**

**11 Test Pit Soil Samples
Collected October 26 and 27, 2005**

Prepared by: Donald Anné
February 10, 2006

The data packages contain the documentation required by NYSDEC ASP. The proper chain of custody procedures were followed by the samplers. All information appeared legible and complete. The data packs contained the results of 11 test pit soil samples for volatile, semi-volatile, and metal analyses.

The overall performances of the analyses are acceptable. STL Buffalo did fulfill the requirements of the analytical methods.

The data generally are acceptable with some issues that are identified in the accompanying data validation reviews. The following data were flagged:

- The volatile results for 2-butanone in samples TP-42 DL and TP-49 were flagged "estimated" (J) because the %Ds for 2-butanone were above the allowable maximum for the associated continuing calibrations.
- There were volatile results for some compounds in samples TP-42 and TP-48 that were quantitated using data that were extrapolated beyond the highest calibration standard and flagged "E" by the laboratory. Results for these compounds marked "E" in the undiluted sample were qualified as estimates (J).
- The semi-volatile results for bis(2-ethylhexyl)phthalate in the following samples were flagged "not detected" (U) because the concentration of bis(2-ethylhexyl)phthalate were not significantly greater (more than ten times) than the level in the associated method blank.

TP-40	TP-42	TP-44	TP-45	TP-49
TP-53	TP-55	TP-58		

- Positive results for cadmium, chromium, copper, lead, mercury, and zinc were flagged as “estimated” (J) in all 11 test pit soil samples because spike recoveries for the six metals were above control limits and the relative percent differences for cadmium, copper, lead, and zinc were above the allowable maximum for MS/MSD sample TP-44.
- Metal results for the following samples were flagged as “estimated” (J) because the percent solids was below the allowable minimum (50%).

TP-42	TP-44	TP-45	TP-45-1
TP-48	TP-53	TP-55	

All data are considered usable, with estimated (J) data associated with a higher level of quantitative uncertainty. Detailed information on data quality is included in the data validation reviews.



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**QA/QC Review of Volatiles Data
for STL Buffalo, Job No. A05-C234**

**11 Test Pit Soil Samples
Collected October 26 and 27, 2005**

Prepared by: Donald Anné
February 10, 2006

Holding Times: Samples were analyzed within SW-846 holding times.

GC/MS Tuning and Mass Calibration: The BFB tuning criteria were within control limits.

Initial Calibration: The compounds with ASP criteria for RRFs and %RSDs met those requirements.

The average RRFs for target compounds were above the allowable minimum (0.050) and the %RSDs were below the allowable maximum (30%), as required.

Continuing Calibration: The RFF50 for 1,1,2,2-tetrachloroethene was below the ASP required minimum but was greater than 0.010 on 11-07-05 (O8760.RR). The RFF50 for 1,1,2,2-tetrachloroethene was below the ASP required minimum but was greater than 0.010 on 11-07-05 (O8761.RR). No action is taken when two or fewer compounds per calibration do not meet ASP criteria, provided the %Ds are not greater than 40% and RRF50s are not less than 0.010.

The CCRFs for target compounds were above the allowable minimum (0.050), as required.

The %D for 2-butanone (27.0%) was above the allowable maximum (25%) on 11-07-05 (O8760.RR). The %D for 2-butanone (28.0%) was above the allowable maximum (25%) on 11-07-05 (O8761.RR). Positive results for 2-butanone should be considered estimates (J) in associated samples.

Blanks: The analyses of method, holding, and trip blanks reported target compounds as not detected.

Internal Standard Area Summary: All internal standard areas and retention times were within control limits.

Surrogate Recovery: The surrogate recoveries were within control limits for environmental samples.

Matrix Spike/Matrix Spike Duplicate: The percent recoveries were within control limits, but 1 of 5 relative percent differences was above the allowable maximum for MS/MSD sample TP-44. No action is taken on MS/MSD data alone to qualify or reject an entire set of samples.

Blank Spike Recovery: The percent recoveries were within QC limits for samples VBLK04, VBLK05, VBLK06, and VBLK07.

Compound ID: Checked compounds were within GC/MS quantitation and qualification limits. The mass spectra for detected compounds contained the primary and secondary ions, as outlined in SW846.

There were volatile results for samples TP-42 and TP-48 that were quantitated by extrapolating data above the highest calibration standard and marked 'E' by the laboratory. The sample was diluted by the laboratory and re-analyzed; therefore, the results for compounds that are flagged as 'E' in the undiluted sample should be considered estimates (J) and the use of the diluted results for those compounds is recommended. It is recommended that the undiluted results be used for all other compounds.



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**QA/QC Review of Semi-Volatiles Data
for STL Buffalo, Job No. A05-C234**

**11 Test Pit Soil Samples
Collected October 26 and 27, 2005**

Prepared by: Donald Anné
February 10, 2006

Holding Times: Samples were extracted and analyzed SW-846 holding times.

GC/MS Tuning and Mass Calibration: The DFTPP tuning criteria were within control limits.

Initial Calibration: The compounds with ASP criteria for RRFs and %RSDs met those requirements.

The average RRFs for target compounds were above the allowable minimum (0.050) and the %RSDs were below the allowable maximum (30%), as required.

Continuing Calibration: The compounds with ASP criteria for RRF50s and %Ds met those requirements.

The RRF50s for target compounds were above the allowable minimum (0.050), as required.

The %Ds for hexachlorocyclopentadiene (29.4%), 2,4-dinitrophenol (41.8%), and 4,6-dinitro-2-methylphenol (37.5%) were above the allowable maximum (25%) on 11-11-05 (V12358.RR). Positive results for the above compounds should be considered estimates (J) in associated samples.

Blanks: Method blank SBLK47 contained a trace of bis(2-ethylhexyl)phthalate (37 ug/kg). Results for bis(2-ethylhexyl)phthalate that are less than ten times the method blank level should be reported as not detected (U) in associated samples (J).

Internal Standard Area Summary: The internal standard areas and retention times were within control limits.

Surrogate Recovery: The surrogate recoveries were within control limits for environmental samples.

Matrix Spike/Matrix Spike Duplicate: The relative percent differences were below the allowable maximums, and percent recoveries were within control limits for MS/MSD sample TP-44.

Blank Spike Recovery: The percent recoveries were within QC limits for sample SBLK47.

Compound ID: Checked compounds were within GC quantitation limits. The mass spectra for detected compounds contained the primary and secondary ions, as outlined in SW846.



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**QA/QC Review of Metals Data
for STL Buffalo, Job No: A05-C234**

**11 Test Pit Soil Samples
Collected October 26 and 27, 2005**

Prepared by: Donald Anné
February 10, 2006

Holding Times: The samples were analyzed within SW-846 holding times.

Initial and Continuing Calibration Verification: The percent recoveries for target metals were within control limits (90-110% for all metals except 80-120% for Hg).

CRDL Standard for AA and ICP: The percent recovery for lead (132.8%) was above control limits (80-120%). Positive results for lead that are less than 2 times the CRDL should be considered estimates (J).

Blanks: The analyses of initial and continuing calibration, and preparation blanks reported target metals as below the CRDLs, as required.

ICP Interference Check Sample: The percent recoveries for target metals were within control limits (80-120%).

Spike Sample Recovery: The percent recoveries (%Rs) for the following metals were above control limits (75-125%) for MS/MSD sample TP-44.

cadmium (169.1%)	chromium (145.9%)
copper (236.7%, 152.3%)	lead (1000.3%, 449.7%)
mercury (169.7%, 142.4%)	zinc (276.2%, 182.0%)

In addition, the %Rs for copper, lead, and zinc were above 200%. Positive results for cadmium, chromium, and mercury should be considered estimates (J) and positive results for copper, lead and zinc should be considered unusable (R), however, the sample used for the MS/MSD, sample TP-44, contained 65% water. This results in a percent solids that is lower than the EPA Region II allowable minimum (50%), resulting in a higher uncertainty; therefore positive results for all the above metals should be considered estimates (J).

Duplicates: The relative percent differences for cadmium (46.0%), copper (41.1%), lead (71.1%) and zinc (45.3%) were above the allowable maximum (35%) for MS/MSD sample TP-44. Positive results for these four metals should be considered estimates (J).

Laboratory Control Sample: The recoveries for target metals were within control limits for the LCSs.

ICP Serial Dilution: The %Ds for applicable target metals were below the allowable maximum (10%) for serial dilution sample TP-44L, as required.

Instrument Detection Limits: The IDLs were at or below CRDLs, as required.

Percent Solids: The percent solids for the following samples were below the allowable minimum (50%), but were above 10%. Results for these samples should be considered estimates (J).

TP-42 (48%)	TP-44 (35%)	TP-45 (46%)
TP-45-1 (48%)	TP-48 (43%)	TP-53 (34%)
TP-55 (47%)		



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**Data Usability Summary Report for
STL Buffalo, Job No. A05-D400**

**14 Ground Water Samples and 1 Trip Blank
Collected November 21 and 22, 2005**

Prepared by: Donald Anné
February 10, 2006

The data packages contain the documentation required by NYSDEC ASP. The proper chain of custody procedures were followed by the samplers. All information appeared legible and complete. The data packs contained the results of 14 ground water samples analyzed for volatile, semi-volatile, metal, and total recoverable phenolic analyses and 1 trip blank analyzed for volatiles only.

The overall performances of the analyses are acceptable. STL Buffalo did fulfill the requirements of the analytical methods.

The data generally are acceptable with some issues that are identified in the accompanying data validation reviews. The following data were flagged:

- The semi-volatile acid extractable results reported as “not detected” for sample MW-6A were flagged as “unusable” (R) because one acid extractable surrogate recovery was below control limits and was less than 10%.
- The result for selenium in sample MW-11A was flagged as “estimated” (J) because the percent recovery for selenium was below control limits for the associated CRDL standard.

All data that are not flagged rejected (R) are considered usable, with estimated (J) data associated with a higher level of quantitative uncertainty. Detailed information on data quality is included in the data validation reviews.



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**QA/QC Review of Volatiles Data
for STL Buffalo, Job No. A05-D400**

**14 Ground Water Samples and 1 Trip Blank
Collected November 21 and 22, 2005**

Prepared by: Donald Anné
February 10, 2006

Holding Times: Samples were analyzed within SW-846 holding times.

GC/MS Tuning and Mass Calibration: The BFB tuning criteria were within control limits.

Initial Calibration: The compounds with ASP criteria for RRFs and %RSDs met those requirements.

The average RRFs for target compounds were above the allowable minimum (0.050) and the %RSDs were below the allowable maximum (30%), as required.

Continuing Calibration: The compounds with ASP criteria for RRF50s and %Ds met those requirements.

The RRF50s for target compounds were above the allowable minimum (0.050), as required.

The %Ds for acetone (46.7%), 2-butanone (65.7%), 2-hexanone (28.9%), dichlorodifluoromethane (59.2%), and trichlorofluoromethane (28.9%) were above the allowable maximum (25%) on 11-29-05 (O9061.RR). The %Ds for chloromethane (29.0%), acetone (38.9%), 2-butanone (54.2%), dichlorodifluoromethane (58.1%), trichlorofluoromethane (38.4%), and 1,1,2-trichloro-1,2,2-trifluoroethane (27.5%) were above the allowable maximum (25%) on 11-30-05 (O9087.RR). Positive results for these compounds should be considered estimates (J) in associated samples.

Blanks: The analyses of method, holding, and trip blanks reported target compounds as not detected.

Internal Standard Area Summary: All internal standard areas and retention times were within control limits.

Surrogate Recovery: The surrogate recoveries were within control limits for environmental samples.

Matrix Spike/Matrix Spike Duplicate: The relative percent differences (RPDs) were below the allowable maximums, and the percent recoveries (%Rs) were within control limits for MS/MSD sample MW-4A. The RPDs were below the allowable maximums, but 1 of 10 %Rs was outside control limits for MS/MSD sample MW-9B. No action is taken on MS/MSD data alone to qualify or reject an entire set of samples.

Blank Spike Recovery: The percent recoveries were within QC limits for samples VBLK19 and VBLK20.

Compound ID: Checked compounds were within GC/MS quantitation and qualification limits. The mass spectra for detected compounds contained the primary and secondary ions, as outlined in SW846.



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**QA/QC Review of Semi-Volatiles Data
for STL Buffalo, Job No. A05-D400**

**14 Ground Water Samples
Collected November 21 and 22, 2005**

Prepared by: Donald Anné
February 10, 2006

Holding Times: Samples were extracted and analyzed SW-846 holding times.

GC/MS Tuning and Mass Calibration: The DFTPP tuning criteria were within control limits.

Initial Calibration: The compounds with ASP criteria for RRFs and %RSDs met those requirements.

The average RRFs for target compounds were above the allowable minimum (0.050), as required.

The %RSD for caprolactum (52.00%) was above the allowable maximum (30%) for HP5973W. Positive results for caprolactum should be considered estimates (J) in associated samples.

Continuing Calibration: The %D for p-terphenyl-d14 was above the ASP required maximum, but was less than 40% on 12-01-05 (W06805.RR). No action is taken when four or fewer compounds per calibration do not meet ASP criteria, provided the %Ds are not greater than 40% and the RRF50s are not less than 0.010.

The RRF50s for target compounds were above the allowable minimum (0.050), as required.

The %Ds for caprolactum (47.8%) and di-n-octylphthalate (43.3%) were above the allowable maximum (25%) on 11-30-05 (W06780.RR). The %Ds for benzaldehyde (49.5%), caprolactum (53.5%), 2,4-dinitrophenol (63.7%), and 4,6-dinitro-2-methylphenol (30.0%) were above the allowable maximum (25%) on 12-01-05 (W06805.RR). The %Ds for benzaldehyde (47.4%), caprolactum (34.7%), and 2,4-dinitrophenol (29.4%) were above the allowable maximum (25%) on 12-02-05 (W06833.RR). Positive results for the above compounds should be considered estimates (J) in associated samples.

Blanks: The analysis of the method blank reported target compounds as not detected.

Internal Standard Area Summary: The internal standard areas and retention times were within control limits.

Surrogate Recovery: One of four base/neutral surrogate recoveries for sample MW-11C was below control limits, but was not less than 10%. No action is taken on surrogate per fraction outside control limits, provided no recovery is less than 10%.

One of four acid extractable surrogate recoveries for sample MW-6A was below control limits, and was less than 10%. Positive results for acid extractable compounds should be considered estimates (J) and negative results unusable (R) in sample MW-6A.

Matrix Spike/Matrix Spike Duplicate: The relative percent differences (RPDs) were below the allowable maximum, but 3 of 18 %Rs (percent recoveries) were outside control limits for MS/MSD sample MW-4A. The RPDs were below the allowable maximum, but 1 of 18 %Rs (percent recoveries) was outside control limits for MS/MSD sample MW-9B. No action is taken on MS/MSD data alone to qualify or reject an entire set of samples.

Blank Spike Recovery: The percent recovery for pentachlorophenol was above QC limits for sample S Blank. Positive results for pentachlorophenol should be considered estimates (J) in associated samples.

Compound ID: Checked compounds were within GC quantitation limits. The mass spectra for detected compounds contained the primary and secondary ions, as outlined in SW846.



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**QA/QC Review of Metals Data
for STL Buffalo, Job No. A05-D400**

**14 Ground Water Samples
Collected November 21 and 22, 2005**

Prepared by: Donald Anné
February 10, 2006

Holding Times: The samples were analyzed within SW-846 holding times.

Initial and Continuing Calibration Verification: The percent recoveries for target metals were within control limits (90-110%).

CRDL Standard for AA and ICP: The percent recoveries for cadmium (122.0%) and lead (125.8%) were above control limits (80-120%). Positive results for cadmium and lead that are less than 2 times the CRDL should be considered estimates (J) in associated samples. No action was taken because only sample MW-11A was associated with this CRDL standard and reported both metals as not detected.

The percent recovery for selenium (74.5%) was below control limits (80-120%). All results for selenium that are less than 2 times the CRDL should be considered estimates (J) in associated samples.

Blanks: The analyses of initial and continuing calibration, and preparation blanks reported target metals as below the CRDLs, as required.

ICP Interference Check Sample: The percent recoveries for target metals were within control limits (80-120%).

Spike Sample Recovery: The percent recoveries for target metals were within control limits (75-125%) for MS/MSD samples MW-4A and MW-9B.

Duplicates: The relative percent differences for target metals were below the allowable maximum (20%) for MS/MSD samples MW-4A and MW-9B, and duplicate samples MW-4AD and MW-9BD, as required.

Metals Data
Job No. A05-D400

Laboratory Control Sample: The percent recoveries for target metals were within control limits (80-120%) for the aqueous LCSs.

ICP Serial Dilution: The analyses of serial dilution samples MW-4AL and MW-9BL were within method criteria.

Instrument Detection Limits: The IDLs were at or below CRDLs, as required.



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**QA/QC Review of Total Recoverable Phenolics
Data for STL Buffalo, Job No. A05-D400**

**14 Ground Water Samples
Collected November 21 and 22, 2005**

Prepared by: Donald Anné
February 10, 2006

Holding Times: The samples were analyzed within SW-846 holding times.

Initial Calibration: The correlation coefficient (0.999832) was above the allowable minimum (0.995), as required.

Blanks: The analyses of the method blank reported total recoverable phenolics as not detected.

Spike Sample Recovery: The percent recoveries for total recoverable phenolics were within control limits (75-125%) for MS/MSD sample MW-4A and MW-9B.

Duplicates: The relative percent differences for total recoverable phenolics were below the allowable maximum (20%) for MS/MSD samples MW-4A and MW-9B, as required.

Laboratory Control Sample: The percent recoveries for total recoverable phenolics were within control limits (80-120%) for the aqueous LCSs.



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**Data Usability Summary Report for
STL Buffalo, Job No. A05-D401**

**11 Ground Water Samples and 1 Trip Blank
Collected November 21 and 22, 2005**

Prepared by: Donald Anné
February 10, 2006

The data packages contain the documentation required by NYSDEC ASP. The proper chain of custody procedures were followed by the samplers. All information appeared legible and complete. The data packs contained the results of 11 ground water samples analyzed for volatile, semi-volatile, metal, and total recoverable phenolic analyses and 1 trip blank analyzed for volatiles only.

The overall performances of the analyses are acceptable. STL Buffalo did fulfill the requirements of the analytical methods.

The data are acceptable with minor some issues that are identified in the accompanying data validation reviews. There were no data flagged as either rejected (R) or estimated (J) in this data pack. Detailed information on data quality is included in the data validation reviews.



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**QA/QC Review of Volatiles Data
for STL Buffalo, Job No. A05-D401**

**11 Ground Water Samples and 1 Trip Blank
Collected November 21 and 22, 2005**

Prepared by: Donald Anné
February 10, 2006

Holding Times: Samples were analyzed within SW-846 holding times.

GC/MS Tuning and Mass Calibration: The BFB tuning criteria were within control limits.

Initial Calibration: The compounds with ASP criteria for RRFs and %RSDs met those requirements.

The average RRFs for target compounds were above the allowable minimum (0.050) and the %RSDs were below the allowable maximum (30%), as required.

Continuing Calibration: The compounds with ASP criteria for RRF50s and %Ds met those requirements.

The RRF50s for target compounds were above the allowable minimum (0.050), as required.

The %Ds for acetone (44.0%), 2-butanone (48.2%), 2-hexanone (28.4%), and dichlorodifluoromethane (28.6%) were above the allowable maximum (25%) on 11-28-05 (O9021.RR). Positive results for these compounds should be considered estimates (J) in associated samples.

Blanks: The analyses of method, holding, and trip blanks reported target compounds as not detected.

Internal Standard Area Summary: All internal standard areas and retention times were within control limits.

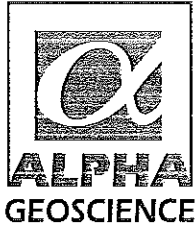
Surrogate Recovery: The surrogate recoveries were within control limits for environmental samples.

Matrix Spike/Matrix Spike Duplicate: The relative percent differences (RPDs) were below the allowable maximums, and the percent recoveries (%Rs) were within control limits for MS/MSD sample MW-4A.

The RPDs were below the allowable maximums, but 1 of 10 %Rs was outside control limits for MS/MSD sample MW-9B. No action is taken on MS/MSD data alone to qualify or reject an entire set of samples. (This data is contained in Job No. A04-D400)

Blank Spike Recovery: The percent recoveries were within QC limits for sample VBLK18.

Compound ID: Checked compounds were within GC/MS quantitation and qualification limits. The mass spectra for detected compounds contained the primary and secondary ions, as outlined in SW846.



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**QA/QC Review of Semi-Volatiles Data
for STL Buffalo, Job No. A05-D401**

**11 Ground Water Samples
Collected November 21 and 22, 2005**

Prepared by: Donald Anné
February 10, 2006

Holding Times: Samples were extracted and analyzed SW-846 holding times.

GC/MS Tuning and Mass Calibration: The DFTPP tuning criteria were within control limits.

Initial Calibration: The compounds with ASP criteria for RRFs and %RSDs met those requirements.

The average RRFs for target compounds were above the allowable minimum (0.050), as required.

The %RSD for caprolactum (52.00%) was above the allowable maximum (30%) for HP5973W. Positive results for caprolactum should be considered estimates (J) in associated samples.

Continuing Calibration: The compounds with ASP criteria for RRF50s and %Ds met those requirements.

The RRF50s for target compounds were above the allowable minimum (0.050) and the %Ds were below the allowable maximum (25%), as required.

Blanks: The analysis of the method blank reported target compounds as not detected.

Internal Standard Area Summary: The internal standard areas and retention times were within control limits.

Surrogate Recovery: The surrogate recoveries were within control limits for environmental samples.

Matrix Spike/Matrix Spike Duplicate: The relative percent differences were below the allowable maximum, but 2 of 18 %Rs (percent recoveries) were outside control limits for MS/MSD sample MW-3. No action is taken on MS/MSD data alone to qualify or reject an entire set of samples.

Blank Spike Recovery: The percent recovery for pentachlorophenol was above QC limits for sample S Blank. Positive results for pentachlorophenol should be considered estimates (J) in associated samples.

Compound ID: Checked compounds were within GC quantitation limits. The mass spectra for detected compounds contained the primary and secondary ions, as outlined in SW846.



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**QA/QC Review of Metals Data
for STL Buffalo, Job No. A05-D401**

**11 Ground Water Samples
Collected November 21 and 22, 2005**

Prepared by: Donald Anné
February 10, 2006

Holding Times: The samples were analyzed within SW-846 holding times.

Initial and Continuing Calibration Verification: The percent recoveries for target metals were within control limits (90-110%).

CRDL Standard for AA and ICP: The percent recoveries for target metals were within control limits (80-120%).

Blanks: The analyses of initial and continuing calibration, and preparation blanks reported target metals as below the CRDLs, as required.

ICP Interference Check Sample: The percent recoveries for target metals were within control limits (80-120%).

Spike Sample Recovery: The percent recoveries for target metals were within control limits (75-125%) for MS/MSD samples MW-4A and MW-9B. (This data is contained in Job No. A04-D400)

Duplicates: The relative percent differences for target metals were below the allowable maximum (20%) for MS/MSD samples MW-4A and MW-9B, and duplicate samples MW-4AD and MW-9BD, as required. (This data is contained in Job No. A04-D400)

Laboratory Control Sample: The percent recoveries for target metals were within control limits (80-120%) for the aqueous LCS.

ICP Serial Dilution: The analysis of serial dilution sample MW-1SL was within method criteria.

Instrument Detection Limits: The IDLs were at or below CRDLs, as required.

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**QA/QC Review of Total Recoverable Phenolics
Data for STL Buffalo, Job No. A05-D401**

**11 Ground Water Samples
Collected November 21 and 22, 2005**

Prepared by: Donald Anné
February 10, 2006

Holding Times: The samples were analyzed within SW-846 holding times.

Initial Calibration: The correlation coefficient (0.999832) was above the allowable minimum (0.995), as required.

Blanks: The analyses of the method blank reported total recoverable phenolics as not detected.

Spike Sample Recovery: The percent recoveries for total recoverable phenolics were within control limits (75-125%) for MS/MSD sample MW-4A and MW-9B. (This data is contained in Job No. A04-D400)

Duplicates: The relative percent differences for total recoverable phenolics were below the allowable maximum (20%) for MS/MSD samples MW-4A and MW-9B, as required. (This data is contained in Job No. A04-D400)

Laboratory Control Sample: The percent recovery for total recoverable phenolics was within control limits (80-120%) for the aqueous LCS.

ATTACHMENT 2

ANALYTICAL DATA SUMMARY PACKAGES



1/1185
STL®

STL Buffalo

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ANALYTICAL REPORT

Job#: A05-C062


STL Project#: NY4A9341

Site Name: Delta Environmental Consultants, Inc.

Task: Cooper site

Mark Schumacher
Delta Environmental
104 Jamesville Rd.
Syracuse, NY 13214

STL Buffalo



Brian J. Fischer
Project Manager

11/15/2005

STL Buffalo

Current Certifications

STATE	Program	Cert # / Lab ID
Arkansas	SDWA, CWA, RCRA, SOIL	03-054-D/BB-0686
California	NELAP SDWA, CWA, RCRA	01169CA
Connecticut	SDWA, CWA, RCRA, SOIL	PH-0558
Florida	NELAP RCRA	E87672
Georgia	SDWA	958
Illinois	NELAP SDWA, CWA, RCRA	20DD03
Iowa	SW/CS	374
Kansas	NELAP SDWA, CWA, RCRA	E-101B7
Kentucky	SDWA	90029
Kentucky UST	UST	30
Louisiana	NELAP CWA, RCRA	2031
Maine	SDWA, CWA	NY044
Maryland	SDWA	294
Massachusetts	SDWA, CWA	M-NY044
Michigan	SDWA	9937
Minnesota	CWA, RCRA	036-999-337
New Hampshire	NELAP SDWA, CWA	233701
New Jersey	SDWA, CWA, RCRA, CLP	NY455
New York	NELAP, AIR, SDWA, CWA, RCRA	10026
North Carolina	CWA	411
North Dakota	SDWA, CWA, RCRA	R-176
Oklahoma	CWA, RCRA	9421
Pennsylvania	Env. Lab Reg.	68-281
South Carolina	RCRA	91013
USDA	FOREIGN SOIL PERMIT	S-41579
Virginia	SDWA	278
Washington	CWA	C254
West Virginia	CWA	252
Wisconsin	CWA	998310390

Sample Data Summary Package

SAMPLE SUMMARY

LAB SAMPLE ID	CLIENT SAMPLE ID	MATRIX	SAMPLED		RECEIVED	
			DATE	TIME	DATE	TIME
A5C06201	SW-10	WATER	10/25/2005	15:00	10/26/2005	10:00
A5C06202	SW-11	WATER	10/25/2005	14:30	10/26/2005	10:00
A5C06203	SW-12	WATER	10/25/2005	14:00	10/26/2005	10:00
A5C06204	SW-13	WATER	10/25/2005	13:30	10/26/2005	10:00
A5C06205	SW-14	WATER	10/25/2005	13:00	10/26/2005	10:00
A5C06206	SW-15	WATER	10/25/2005	11:45	10/26/2005	10:00
A5C06207	SW-16	WATER	10/25/2005	11:15	10/26/2005	10:00
A5C06208	SW-17	WATER	10/25/2005	10:45	10/26/2005	10:00
A5C06209	SW-18	WATER	10/25/2005	10:15	10/26/2005	10:00
A5C06210	SW-19	WATER	10/25/2005	09:45	10/26/2005	10:00
A5C06210MS	SW-19	WATER	10/25/2005	09:45	10/26/2005	10:00
A5C06210SD	SW-19	WATER	10/25/2005	09:45	10/26/2005	10:00
A5C06211	SW-19A	WATER	10/25/2005	09:55	10/26/2005	10:00
A5C06212	TRIP BLANK	WATER	10/25/2005		10/26/2005	10:00

METHODS SUMMARY

Job#: A05-C062STL Project#: NY4A9341Site Name: Delta Environmental Consultants, Inc.

<u>PARAMETER</u>	<u>ANALYTICAL METHOD</u>
DELTA - AQ - ASP 2000/8260 - TCL VOLATILES	ASP00 8260
ASP 2000 - METHOD 8270 SEMIVOLATILES	ASP00 8270
Cadmium - Total	ASP00 6010
Calcium - Total	ASP00 6010
Chromium - Total	ASP00 6010
Lead - Total	ASP00 6010
Magnesium - Total	ASP00 6010
Nickel - Total	ASP00 6010
Zinc - Total	ASP00 6010
Total Recoverable Phenolics	ASP00 420.2

ASP00 "Analytical Services Protocol", New York State Department of Conservation,
June 2000.

NON-CONFORMANCE SUMMARY

Job#: A05-C062STL Project#: NY4A9341Site Name: Delta Environmental Consultants, Inc.General Comments

The enclosed data may or may not have been reported utilizing data qualifiers (Q) as defined on the Data Comment Page.

Soil, sediment and sludge sample results are reported on "dry weight" basis unless otherwise noted in this data package.

According to 40CFR Part 136.3, pH, Chlorine Residual, Dissolved Oxygen, Sulfite, and Temperature analyses are to be performed immediately after aqueous sample collection. When these parameters are not indicated as field (e.g. pH-Field), they were not analyzed immediately, but as soon as possible after laboratory receipt.

Sample dilutions were performed as indicated on the attached Dilution Log. The rationale for dilution is specified by the 3-digit code and definition.

Sample Receipt Comments

A05-C062

Sample Cooler(s) were received at the following temperature(s); 14@2.0 °C
All samples were received in good condition.

GC/MS Volatile Data

The Matrix Spike and Matrix Spike Duplicate of sample SW-19 was inadvertently spiked at 25 ngs on column instead of the recommended 50 ngs. For method 8260 ASP 2000 protocol, all of the recoveries in the Matrix Spike and Matrix Spike Duplicate of sample SW-19 fell below the QC limits. The Matrix Spike Blank recoveries are compliant.

All samples were preserved to a pH less than 2.

The Storage Blank, VHB, was not analyzed following analysis of all field samples in the job.

GC/MS Semivolatile Data

The spike recoveries for Pentachlorophenol were above the method defined quality control limits in the Matrix Spike SW-19 and Matrix Spike Duplicate SW-19. Since the Matrix Spike Blank A5B1659001 was compliant, no corrective action was required.

The spike recovery for Pyrene was below the method defined quality control limit in the Matrix Spike SW-19. Since the Matrix Spike Blank A5B1659001 was compliant, no corrective action was required.

The relative percent difference between the Matrix Spike SW-19 and the Matrix Spike Duplicate SW-19 exceed quality control limits for Pyrene.

Metals Data

The recovery of sample SW-19A Post Spike exhibited results below the quality control limits for Calcium. However, the LFB was acceptable.

Wet Chemistry Data

The LCS ERA P119502 recovery for Total Recoverable Phenolics fell outside of the quality control limits, however, the value was within the manufacturer's recommended acceptance limits. No corrective action was taken.

The results presented in this report relate only to the analytical testing and condition of the sample at receipt. This report pertains to only those samples actually tested. All pages of this report are integral parts of the analytical data. Therefore, this report should be reproduced only in its entirety.

"I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hardcopy data package and in the computer-readable data submitted on floppy diskette has been authorized by the Laboratory Manager or his designee, as verified by the following signature."



Brian J. Fischer
Project Manager

11-16-05

Date

Date: 11/15/2005
Time: 13:02:14

Dilution Log w/Code Information
For Job A05-C062

8/1185
Page: 1
Rept: AH1266R

Client Sample ID	Lab Sample ID	Parameter (Inorganic)/Method (Organic)	Dilution	Code
SW-10	A5C06201	8270	5.00	012
SW-11	A5C06202	8270	10.00	012
SW-16	A5C06207	8270	5.00	012
SW-16	A5C06207DL	8260	25.00	008
SW-17	A5C06208	8270	5.00	012

Dilution Code Definition:

- 002 - sample matrix effects
- 003 - excessive foaming
- 004 - high levels of non-target compounds
- 005 - sample matrix resulted in method non-compliance for an Internal Standard
- 006 - sample matrix resulted in method non-compliance for Surrogate
- 007 - nature of the TCLP matrix
- 008 - high concentration of target analyte(s)
- 009 - sample turbidity
- 010 - sample color
- 011 - insufficient volume for lower dilution
- 012 - sample viscosity
- 013 - other

NEW YORK STATE
DEPARTMENT OF ENVIRONMENTAL CONSERVATION

SAMPLE IDENTIFICATION
AND
ANALYTICAL REQUEST SUMMARY

LAB NAME: SEVERN TRENT LABORATORIES, INC.

CUSTOMER SAMPLE ID	LABORATORY SAMPLE ID	ANALYTICAL REQUIREMENTS							
		VOA GC/MS	BNA GC/MS	VOA GC	PEST PCB	METALS	TCLP HERB	WATER QUALITY	
SW-10	A5C06201	ASP00	ASP00	-	-	ASP00	-	ASP00	
SW-11	A5C06202	ASP00	ASP00	-	-	ASP00	-	ASP00	
SW-12	A5C06203	ASP00	ASP00	-	-	ASP00	-	ASP00	
SW-13	A5C06204	ASP00	ASP00	-	-	ASP00	-	ASP00	
SW-14	A5C06205	ASP00	ASP00	-	-	ASP00	-	ASP00	
SW-15	A5C06206	ASP00	ASP00	-	-	ASP00	-	ASP00	
SW-16	A5C06207	ASP00	ASP00	-	-	ASP00	-	ASP00	
SW-17	A5C06208	ASP00	ASP00	-	-	ASP00	-	ASP00	
SW-18	A5C06209	ASP00	ASP00	-	-	ASP00	-	ASP00	
SW-19	A5C06210	ASP00	ASP00	-	-	ASP00	-	ASP00	
SW-19A	A5C06211	ASP00	ASP00	-	-	ASP00	-	ASP00	

NYSDEC-1

NEW YORK STATE
DEPARTMENT OF ENVIRONMENTAL CONSERVATIONSAMPLE PREPARATION AND ANALYSIS SUMMARY
VOLATILE ANALYSIS

LAB NAME: SEVERN TRENT LABORATORIES, INC.

SAMPLE IDENTIFICATION	MATRIX	DATE COLLECTED	DATE RECEIVED AT LAB	DATE EXTRACTED	DATE ANALYZED
SW-10	WATER	10/25/2005	10/26/2005	-	11/01/2005
SW-11	WATER	10/25/2005	10/26/2005	-	10/31/2005
SW-12	WATER	10/25/2005	10/26/2005	-	10/31/2005
SW-13	WATER	10/25/2005	10/26/2005	-	10/31/2005
SW-14	WATER	10/25/2005	10/26/2005	-	10/31/2005
SW-15	WATER	10/25/2005	10/26/2005	-	11/01/2005
SW-16	WATER	10/25/2005	10/26/2005	-	10/31-11/01/2005
SW-17	WATER	10/25/2005	10/26/2005	-	10/31/2005
SW-18	WATER	10/25/2005	10/26/2005	-	10/31/2005
SW-19	WATER	10/25/2005	10/26/2005	-	10/31/2005
SW-19A	WATER	10/25/2005	10/26/2005	-	10/31/2005

NYSDEC-2

NEW YORK STATE
DEPARTMENT OF ENVIRONMENTAL CONSERVATIONSAMPLE PREPARATION AND ANALYSIS SUMMARY
B\N-A ANALYSIS

LAB NAME: SEVERN TRENT LABORATORIES, INC.

SAMPLE IDENTIFICATION	MATRIX	DATE COLLECTED	DATE RECEIVED AT LAB	DATE EXTRACTED	DATE ANALYZED
SW-10	WATER	10/25/2005	10/26/2005	10/27/2005	11/02/2005
SW-11	WATER	10/25/2005	10/26/2005	10/27/2005	11/02/2005
SW-12	WATER	10/25/2005	10/26/2005	10/27/2005	11/01/2005
SW-13	WATER	10/25/2005	10/26/2005	10/27/2005	11/01/2005
SW-14	WATER	10/25/2005	10/26/2005	10/27/2005	11/02/2005
SW-15	WATER	10/25/2005	10/26/2005	10/27/2005	11/02/2005
SW-16	WATER	10/25/2005	10/26/2005	10/27/2005	11/02/2005
SW-17	WATER	10/25/2005	10/26/2005	10/27/2005	11/02/2005
SW-18	WATER	10/25/2005	10/26/2005	10/27/2005	11/02/2005
SW-19	WATER	10/25/2005	10/26/2005	10/27/2005	11/02/2005
SW-19A	WATER	10/25/2005	10/26/2005	10/27/2005	11/02/2005

NYSDEC-3

NEW YORK STATE
DEPARTMENT OF ENVIRONMENTAL CONSERVATION

SAMPLE PREPARATION AND ANALYTICAL SUMMARY
INORGANIC ANALYSIS

LAB NAME: SEVERN TRENT LABORATORIES, INC.

SAMPLE IDENTIFICATION	MATRIX	METALS REQUESTED	DATE RECEIVED AT LAB	DATE DIGESTED	DATE ANALYZED
SW-10	WATER	7 metals	10/26/2005	11/01/2005	11/01/2005
SW-11	WATER	7 metals	10/26/2005	11/01/2005	11/01/2005
SW-12	WATER	7 metals	10/26/2005	11/01/2005	11/01/2005
SW-13	WATER	7 metals	10/26/2005	11/01/2005	11/01/2005
SW-14	WATER	7 metals	10/26/2005	11/01/2005	11/01/2005
SW-15	WATER	7 metals	10/26/2005	11/01/2005	11/01/2005
SW-16	WATER	7 metals	10/26/2005	11/01/2005	11/01/2005
SW-17	WATER	7 metals	10/26/2005	11/01/2005	11/01/2005
SW-18	WATER	7 metals	10/26/2005	11/01/2005	11/01/2005
SW-19	WATER	7 metals	10/26/2005	11/01/2005	11/01/2005
SW-19A	WATER	7 metals	10/26/2005	11/01/2005	11/01/2005

NYSDEC-5

NEW YORK STATE
DEPARTMENT OF ENVIRONMENTAL CONSERVATIONSAMPLE PREPARATION AND ANALYSIS SUMMARY
ORGANIC ANALYSIS

LAB NAME: SEVERN TRENT LABORATORIES, INC.

SAMPLE IDENTIFICATION	MATRIX	ANALYTICAL PROTOCOL	EXTRACTION METHOD	AUXILIARY CLEAN UP	DIL/CONC FACTOR
SW-10	WATER	ASP00	SEPF	AS REQUIRED	AS REQUIRED
SW-11	WATER	ASP00	SEPF	AS REQUIRED	AS REQUIRED
SW-12	WATER	ASP00	SEPF	AS REQUIRED	AS REQUIRED
SW-13	WATER	ASP00	SEPF	AS REQUIRED	AS REQUIRED
SW-14	WATER	ASP00	SEPF	AS REQUIRED	AS REQUIRED
SW-15	WATER	ASP00	SEPF	AS REQUIRED	AS REQUIRED
SW-16	WATER	ASP00	SEPF	AS REQUIRED	AS REQUIRED
SW-17	WATER	ASP00	SEPF	AS REQUIRED	AS REQUIRED
SW-18	WATER	ASP00	SEPF	AS REQUIRED	AS REQUIRED
SW-19	WATER	ASP00	SEPF	AS REQUIRED	AS REQUIRED
SW-19A	WATER	ASP00	SEPF	AS REQUIRED	AS REQUIRED

NYSDEC-6

NEW YORK STATE
DEPARTMENT OF ENVIRONMENTAL CONSERVATIONSAMPLE PREPARATION AND ANALYSIS SUMMARY
INORGANIC ANALYSIS

LAB NAME: SEVERN TRENT LABORATORIES, INC.

LABORATORY SAMPLE CODE	MATRIX	ANALYTICAL PROTOCOL	DIGESTION PROCEDURE	MATRIX MODIFIER	DIL/CONC FACTOR
SW-10	WATER	ASP00	ASP00	AS REQUIRED	AS REQUIRED
SW-11	WATER	ASP00	ASP00	AS REQUIRED	AS REQUIRED
SW-12	WATER	ASP00	ASP00	AS REQUIRED	AS REQUIRED
SW-13	WATER	ASP00	ASP00	AS REQUIRED	AS REQUIRED
SW-14	WATER	ASP00	ASP00	AS REQUIRED	AS REQUIRED
SW-15	WATER	ASP00	ASP00	AS REQUIRED	AS REQUIRED
SW-16	WATER	ASP00	ASP00	AS REQUIRED	AS REQUIRED
SW-17	WATER	ASP00	ASP00	AS REQUIRED	AS REQUIRED
SW-18	WATER	ASP00	ASP00	AS REQUIRED	AS REQUIRED
SW-19	WATER	ASP00	ASP00	AS REQUIRED	AS REQUIRED
SW-19A	WATER	ASP00	ASP00	AS REQUIRED	AS REQUIRED

NYSDEC-7

Alkane Types	Type 1	Unknown Straight Chain Alkane
	Type 2	Unknown Branched Alkane
	Type 3	Unknown Cyclic Alkane
	Type 4	Unknown Alkane

[illegible]

Unknown Straight Chain Alkane
Unknown Branched Alkane
Unknown Cyclic Alkane
Unknown Alkane

	1000
	1

[illegible]

Alkane Types

- Type 1
Type 2
Type 3
Type 4

Unknown Straight Chain Alkane
Unknown Branched Alkane
Unknown Cyclic Alkane
Unknown Alkane



DATA QUALIFIER PAGE

These definitions are provided in the event the data in this report requires the use of one or more of the qualifiers. Not all qualifiers defined below are necessarily used in the accompanying data package.

ORGANIC DATA QUALIFIERS

- ND or U Indicates compound was analyzed for, but not detected.
- J Indicates an estimated value. This flag is used either when estimating a concentration for tentatively identified compounds where a 1:1 response is assumed, or when the data indicates the presence of a compound that meets the identification criteria but the result is less than the sample quantitation limit but greater than zero.
- C This flag applies to pesticide results where the identification has been confirmed by GC/MS.
- B This flag is used when the analyte is found in the associated blank, as well as in the sample.
- E This flag identifies compounds whose concentrations exceed the calibration range of the instrument for that specific analysis.
- D This flag identifies all compounds identified in an analysis at the secondary dilution factor.
- N Indicates presumptive evidence of a compound. This flag is used only for tentatively identified compounds, where the identification is based on the Mass Spectral library search. It is applied to all TIC results.
- P This flag is used for CLP methodology only. For Pesticide/Aroclor target analytes, when a difference for detected concentrations between the two GC columns is greater than 25%, the lower of the two values is reported on the data page and flagged with a "P".
- A This flag indicates that a TIC is a suspected aldol-condensation product.
- ! Indicates coelution.
- * Indicates analysis is not within the quality control limits.

INORGANIC DATA QUALIFIERS

- ND or U Indicates element was analyzed for, but not detected. Report with the detection limit value.
- J or B Indicates a value greater than or equal to the instrument detection limit, but less than the quantitation limit.
- N Indicates spike sample recovery is not within the quality control limits.
- S Indicates value determined by the Method of Standard Addition.
- E Indicates a value estimated or not reported due to the presence of interferences.
- H Indicates analytical holding time exceedance. The value obtained should be considered an estimate.
- * Indicates the spike or duplicate analysis is not within the quality control limits.
- + Indicates the correlation coefficient for the Method of Standard Addition is less than 0.995.

19/1185

Client No.

o Name: STL Buffalo

Contract: _____

SW-10

o Code: RECNY

Case No.: _____

SAS No.: _____

SDG No.: _____

Matrix: (soil/water) WATER

Lab Sample ID: A5C06201

Sample wt/vol: 5.00 (g/mL) ML

Lab File ID: Q8546.RR

Level: (low/med) LOW

Date Samp/Recv: 10/25/2005 10/26/2005

Moisture: not dec. _____ Heated Purge: N

Date Analyzed: 11/01/2005

Column: DB-624 ID: 0.25 (mm)

Dilution Factor: 1.00

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

CAS NO.

COMPOUND

CONCENTRATION UNITS:

(ug/L or ug/Kg)

UG/L

Q

74-87-3-----	Chloromethane	10	U
74-83-9-----	Bromomethane	10	U
75-01-4-----	Vinyl chloride	10	U
75-00-3-----	Chloroethane	10	U
75-09-2-----	Methylene chloride	10	U
67-64-1-----	Acetone	10	U
75-15-0-----	Carbon Disulfide	2	J
75-35-4-----	1,1-Dichloroethene	10	U
75-34-3-----	1,1-Dichloroethane	10	U
67-66-3-----	Chloroform	10	U
107-06-2-----	1,2-Dichloroethane	10	U
78-93-3-----	2-Butanone	10	U
71-55-6-----	1,1,1-Trichloroethane	10	U
56-23-5-----	Carbon Tetrachloride	10	U
75-27-4-----	Bromodichloromethane	10	U
78-87-5-----	1,2-Dichloropropane	10	U
10061-01-5----	cis-1,3-Dichloropropene	10	U
79-01-6-----	Trichloroethene	10	U
124-48-1-----	Dibromochloromethane	10	U
79-00-5-----	1,1,2-Trichloroethane	10	U
71-43-2-----	Benzene	10	U
10061-02-6----	trans-1,3-Dichloropropene	10	U
75-25-2-----	Bromoform	10	U
108-10-1-----	4-Methyl-2-pentanone	10	U
591-78-6-----	2-Hexanone	10	U
127-18-4-----	Tetrachloroethene	10	U
108-88-3-----	Toluene	10	U
79-34-5-----	1,1,2,2-Tetrachloroethane	10	U
108-90-7-----	Chlorobenzene	10	U
100-41-4-----	Ethylbenzene	10	U
100-42-5-----	Styrene	10	U
1330-20-7----	Total Xylenes	10	U
75-71-8-----	Dichlorodifluoromethane	10	U
75-69-4-----	Trichlorofluoromethane	10	U

20/1185

Client No.

Lab Name: STL Buffalo

Contract: _____

SW-10

Lab Code: RECNY

Case No.: _____

SAS No.: _____

SDG No.: _____

Matrix: (soil/water) WATER

Lab Sample ID: A5C06201

Sample wt/vol: 5.00 (g/mL) ML

Lab File ID: Q8546.RR

Level: (low/med) LOW

Date Samp/Recv: 10/25/2005 10/26/2005

% Moisture: not dec. _____ Heated Purge: N

Date Analyzed: 11/01/2005

GC Column: DB-624 ID: 0.25 (mm)

Dilution Factor: 1.00

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

CAS NO. COMPOUND CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L Q

76-13-1-----	1,1,2-Trichloro-1,2,2-trifluoroethane	10	U
156-60-5-----	trans-1,2-Dichloroethene	10	U
1634-04-4-----	Methyl-t-Butyl Ether (MTBE)	10	U
156-59-2-----	cis-1,2-Dichloroethene	10	U
110-82-7-----	Cyclohexane	10	U
108-87-2-----	Methylcyclohexane	10	U
106-93-4-----	1,2-Dibromoethane	10	U
98-82-8-----	Isopropylbenzene	10	U
541-73-1-----	1,3-Dichlorobenzene	10	U
106-46-7-----	1,4-Dichlorobenzene	10	U
95-50-1-----	1,2-Dichlorobenzene	10	U
96-12-8-----	1,2-Dibromo-3-chloropropane	10	U
120-82-1-----	1,2,4-Trichlorobenzene	10	U
79-20-9-----	Methyl acetate	10	U

21/1185

Client No.

Lab Name: STL Buffalo

Contract: _____

SW-10

Lab Code: REONY

Case No.: _____

SAS No.: _____

SDG No.: _____

Matrix: (soil/water) WATER

Lab Sample ID: A5C06201

Sample wt/vol: 5.00 (g/mL) ML

Lab File ID: Q8546.RR

Level: (low/med) LOW

Date Samp/Recv: 10/25/2005 10/26/2005

% Moisture: not dec. _____

Date Analyzed: 11/01/2005

GC Column: DB-624 ID: 0.25 (mm)

Dilution Factor: 1.00

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

Number TICs found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

CAS NO.	Compound Name	RT	Est. Conc.	Q

22/1185

Client No.

Lab Name: STL Buffalo

Contract: _____

SW-11

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) WATER

Lab Sample ID: A5C06202

Sample wt/vol: 5.00 (g/mL) ML

Lab File ID: Q8545.RR

Level: (low/med) LOW

Date Samp/Recv: 10/25/2005 10/26/2005

% Moisture: not dec. _____ Heated Purge: N

Date Analyzed: 10/31/2005

GC Column: DB-624 ID: 0.25 (mm)

Dilution Factor: 1.00

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

CAS NO. COMPOUND CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L Q

74-87-3-----	Chloromethane	10	U
74-83-9-----	Bromomethane	10	U
75-01-4-----	Vinyl chloride	10	U
75-00-3-----	Chloroethane	10	U
75-09-2-----	Methylene chloride	10	U
67-64-1-----	Acetone	6	J
75-15-0-----	Carbon Disulfide	10	U
75-35-4-----	1,1-Dichloroethene	10	U
75-34-3-----	1,1-Dichloroethane	10	U
67-66-3-----	Chloroform	10	U
107-06-2-----	1,2-Dichloroethane	10	U
78-93-3-----	2-Butanone	10	U
71-55-6-----	1,1,1-Trichloroethane	10	U
56-23-5-----	Carbon Tetrachloride	10	U
75-27-4-----	Bromodichloromethane	10	U
78-87-5-----	1,2-Dichloropropane	10	U
10061-01-5----	cis-1,3-Dichloropropene	10	U
79-01-6-----	Trichloroethene	10	U
124-48-1-----	Dibromochloromethane	10	U
79-00-5-----	1,1,2-Trichloroethane	10	U
71-43-2-----	Benzene	10	U
10061-02-6----	trans-1,3-Dichloropropene	10	U
75-25-2-----	Bromofom	10	U
108-10-1-----	4-Methyl-2-pentanone	10	U
591-78-6-----	2-Hexanone	10	U
127-18-4-----	Tetrachloroethene	10	U
108-88-3-----	Toluene	10	U
79-34-5-----	1,1,2,2-Tetrachloroethane	10	U
108-90-7-----	Chlorobenzene	10	U
100-41-4-----	Ethylbenzene	10	U
100-42-5-----	Styrene	10	U
1330-20-7-----	Total Xylenes	10	U
75-71-8-----	Dichlorodifluoromethane	10	U
75-69-4-----	Trichlorofluoromethane	10	U

Lab Name: STL Buffalo

Contract: _____

SW-11

Lab Code: RECNY

Case No.: _____

SAS No.: _____

SDG No.: _____

Matrix: (soil/water) WATER

Lab Sample ID: A5C06202

Sample wt/vol: 5.00 (g/mL) ML

Lab File ID: Q8545.RR

Level: (low/med) LOW

Date Samp/Recv: 10/25/2005 10/26/2005

% Moisture: not dec. _____ Heated Purge: N

Date Analyzed: 10/31/2005

GC Column: DB-624 ID: 0.25 (mm)

Dilution Factor: 1.00

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

CAS NO. COMPOUND

CONCENTRATION UNITS:

(ug/L or ug/Kg)

UG/L

Q

76-13-1-----	1,1,2-Trichloro-1,2,2-trifluoroethane	10	U
156-60-5-----	trans-1,2-Dichloroethene	10	U
1634-04-4-----	Methyl-t-Butyl Ether (MIBE)	10	U
156-59-2-----	cis-1,2-Dichloroethene	10	U
110-82-7-----	Cyclohexane	10	U
108-87-2-----	Methylcyclohexane	10	U
106-93-4-----	1,2-Dibromoethane	10	U
98-82-8-----	Isopropylbenzene	10	U
541-73-1-----	1,3-Dichlorobenzene	10	U
106-46-7-----	1,4-Dichlorobenzene	10	U
95-50-1-----	1,2-Dichlorobenzene	10	U
96-12-8-----	1,2-Dibromo-3-chloropropane	10	U
120-82-1-----	1,2,4-Trichlorobenzene	10	U
79-20-9-----	Methyl acetate	10	U

DELTA - AQ - ASP 2000/8260 - TCL VOLATILES
TENTATIVELY IDENTIFIED COMPOUNDS

24/1185

Client No.

Lab Name: STL Buffalo Contract: _____

SW-11

Lab Code: RECN Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) WATER

Lab Sample ID: A5C06202

Sample wt/vol: 5.00 (g/mL) ML

Lab File ID: Q8545.RR

Level: (low/med) LOW

Date Samp/Recv: 10/25/2005 10/26/2005

% Moisture: not dec. _____

Date Analyzed: 10/31/2005

GC Column: DB-624 ID: 0.25 (mm)

Dilution Factor: 1.00

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

Number TICs found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

CAS NO.	Compound Name	RT	Est. Conc.	Q

Lab Name: STL Buffalo

Contract: _____

SW-12

Lab Code: RECONY Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) WATER

Lab Sample ID: A5C06203

Sample wt/vol: 5.00 (g/mL) ML

Lab File ID: Q8544.RR

Level: (low/med) LOW

Date Samp/Recv: 10/25/2005 10/26/2005

% Moisture: not dec. _____ Heated Purge: N

Date Analyzed: 10/31/2005

GC Column: DB-624 ID: 0.25 (mm)

Dilution Factor: 1.00

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

CAS NO. COMPOUND CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L Q

74-87-3-----	Chloromethane	10	U
74-83-9-----	Bromomethane	10	U
75-01-4-----	Vinyl chloride	10	U
75-00-3-----	Chloroethane	10	U
75-09-2-----	Methylene chloride	10	U
67-64-1-----	Acetone	2	J
75-15-0-----	Carbon Disulfide	10	U
75-35-4-----	1,1-Dichloroethene	10	U
75-34-3-----	1,1-Dichloroethane	10	U
67-66-3-----	Chloroform	10	U
107-06-2-----	1,2-Dichloroethane	10	U
78-93-3-----	2-Butanone	10	U
71-55-6-----	1,1,1-Trichloroethane	10	U
56-23-5-----	Carbon Tetrachloride	10	U
75-27-4-----	Bromodichloromethane	10	U
78-87-5-----	1,2-Dichloropropane	10	U
10061-01-5----	cis-1,3-Dichloropropene	10	U
79-01-6-----	Trichloroethene	10	U
124-48-1-----	Dibromochloromethane	10	U
79-00-5-----	1,1,2-Trichloroethane	10	U
71-43-2-----	Benzene	10	U
10061-02-6----	trans-1,3-Dichloropropene	10	U
75-25-2-----	Bromoform	10	U
108-10-1-----	4-Methyl-2-pentanone	10	U
591-78-6-----	2-Hexanone	10	U
127-18-4-----	Tetrachloroethene	10	U
108-88-3-----	Toluene	10	U
79-34-5-----	1,1,2,2-Tetrachloroethane	10	U
108-90-7-----	Chlorobenzene	10	U
100-41-4-----	Ethylbenzene	10	U
100-42-5-----	Styrene	10	U
1330-20-7-----	Total Xylenes	10	U
75-71-8-----	Dichlorodifluoromethane	10	U
75-69-4-----	Trichlorofluoromethane	10	U

26/1185

Client No.

SW-12

Lab Name: STL Buffalo

Contract: _____

Lab Code: RECNY

Case No.: _____

SAS No.: _____

SDG No.: _____

Matrix: (soil/water) WATER

Lab Sample ID: A5C06203

Sample wt/vol: 5.00 (g/mL) ML

Lab File ID: Q8544.RR

Level: (low/med) LOW

Date Samp/Recv: 10/25/2005 10/26/2005

% Moisture: not dec. _____ Heated Purge: N

Date Analyzed: 10/31/2005

GC Column: DB-624 ID: 0.25 (mm)

Dilution Factor: 1.00

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS:	
		(ug/L or ug/Kg)	UG/L Q
76-13-1-----	1,1,2-Trichloro-1,2,2-trifluoroethane	10	U
156-60-5-----	trans-1,2-Dichloroethene	10	U
1634-04-4-----	Methyl-t-Butyl Ether (MTBE)	10	U
156-59-2-----	cis-1,2-Dichloroethene	10	U
110-82-7-----	Cyclohexane	10	U
108-87-2-----	Methylcyclohexane	10	U
106-93-4-----	1,2-Dibromoethane	10	U
98-82-8-----	Isopropylbenzene	10	U
541-73-1-----	1,3-Dichlorobenzene	10	U
106-46-7-----	1,4-Dichlorobenzene	10	U
95-50-1-----	1,2-Dichlorobenzene	10	U
96-12-8-----	1,2-Dibromo-3-chloropropane	10	U
120-82-1-----	1,2,4-Trichlorobenzene	10	U
79-20-9-----	Methyl acetate	10	U

Lab Name: STL Buffalo Contract: _____

SW-12

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) WATER

Lab Sample ID: A5C06203

Sample wt/vol: 5.00 (g/mL) ML

Lab File ID: Q8544.RR

Level: (low/med) LOW

Date Samp/Recv: 10/25/2005 10/26/2005

% Moisture: not dec. _____

Date Analyzed: 10/31/2005

GC Column: DB-624 ID: 0.25 (mm)

Dilution Factor: 1.00

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

Number TICs found: 1

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

CAS NO.	Compound Name	RT	Est. Conc.	Q
1.	UNKNOWN SILANOL	4.65	6	J

DELTA - AQ - ASP 2000/8260 - TCL VOLATILES
ANALYSIS DATA SHEET

28/1185

Client No.

SW-13

Lab Name: STL Buffalo Contract: _____

Lab Code: REQNY Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) WATER Lab Sample ID: A5C06204

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: Q8543.RR

Level: (low/med) LOW Date Samp/Recv: 10/25/2005 10/26/2005

% Moisture: not dec. _____ Heated Purge: N Date Analyzed: 10/31/2005

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CAS NO. COMPOUND CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L Q

74-87-3-----	Chloromethane	10	U
74-83-9-----	Bromomethane	10	U
75-01-4-----	Vinyl chloride	10	U
75-00-3-----	Chloroethane	10	U
75-09-2-----	Methylene chloride	10	U
67-64-1-----	Acetone	10	U
75-15-0-----	Carbon Disulfide	10	U
75-35-4-----	1,1-Dichloroethene	10	U
75-34-3-----	1,1-Dichloroethane	10	U
67-66-3-----	Chloroform	10	U
107-06-2-----	1,2-Dichloroethane	10	U
78-93-3-----	2-Butanone	10	U
71-55-6-----	1,1,1-Trichloroethane	10	U
56-23-5-----	Carbon Tetrachloride	10	U
75-27-4-----	Bromodichloromethane	10	U
78-87-5-----	1,2-Dichloropropane	10	U
10061-01-5----	cis-1,3-Dichloropropene	10	U
79-01-6-----	Trichloroethene	10	U
124-48-1-----	Dibromochloromethane	10	U
79-00-5-----	1,1,2-Trichloroethane	10	U
71-43-2-----	Benzene	10	U
10061-02-6----	trans-1,3-Dichloropropene	10	U
75-25-2-----	Bromoform	10	U
108-10-1-----	4-Methyl-2-pentanone	10	U
591-78-6-----	2-Hexanone	10	U
127-18-4-----	Tetrachloroethene	10	U
108-88-3-----	Toluene	10	U
79-34-5-----	1,1,2,2-Tetrachloroethane	10	U
108-90-7-----	Chlorobenzene	10	U
100-41-4-----	Ethylbenzene	10	U
100-42-5-----	Styrene	10	U
1330-20-7-----	Total Xylenes	10	U
75-71-8-----	Dichlorodifluoromethane	10	U
75-69-4-----	Trichlorofluoromethane	10	U

SW-13

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) WATER Lab Sample ID: A5C06204

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: Q8543.RR

Level: (low/med) LOW Date Samp/Recv: 10/25/2005 10/26/2005

% Moisture: not dec. _____ Heated Purge: N Date Analyzed: 10/31/2005

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS:	
		(ug/L or ug/Kg)	UG/L
76-13-1-----	1,1,2-Trichloro-1,2,2-trifluoroethane	10	U
156-60-5-----	trans-1,2-Dichloroethene	10	U
1634-04-4-----	Methyl-t-Butyl Ether (MTBE)	10	U
156-59-2-----	cis-1,2-Dichloroethene	10	U
110-82-7-----	Cyclohexane	10	U
108-87-2-----	Methylcyclohexane	10	U
106-93-4-----	1,2-Dibromoethane	10	U
98-82-8-----	Isopropylbenzene	10	U
541-73-1-----	1,3-Dichlorobenzene	10	U
106-46-7-----	1,4-Dichlorobenzene	10	U
95-50-1-----	1,2-Dichlorobenzene	10	U
96-12-8-----	1,2-Dibromo-3-chloropropane	10	U
120-82-1-----	1,2,4-Trichlorobenzene	10	U
79-20-9-----	Methyl acetate	10	U

DELTA - AQ - ASP 2000/8260 - TCL VOLATILES
TENTATIVELY IDENTIFIED COMPOUNDS

30/1185

Client No.

Lab Name: STL Buffalo Contract: _____

SW-13

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) WATER

Lab Sample ID: A5C06204

Sample wt/vol: 5.00 (g/mL) ML

Lab File ID: Q8543.RR

Level: (low/med) LOW

Date Samp/Recv: 10/25/2005 10/26/2005

% Moisture: not dec. _____

Date Analyzed: 10/31/2005

GC Column: DB-624 ID: 0.25 (mm)

Dilution Factor: 1.00

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

Number TICs found: 1

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

CAS NO.	Compound Name	RT	Est. Conc.	Q
1.	UNKNOWN SILANOL	4.66	6	J

SW-14

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) WATER Lab Sample ID: A5C06205

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: Q8542.RR

Level: (low/med) LOW Date Samp/Recv: 10/25/2005 10/26/2005

% Moisture: not dec. _____ Heated Purge: N Date Analyzed: 10/31/2005

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS:	
		(ug/L or ug/Kg)	UG/L
74-87-3	Chloromethane	10	U
74-83-9	Bromomethane	10	U
75-01-4	Vinyl chloride	10	U
75-00-3	Chloroethane	10	U
75-09-2	Methylene chloride	10	U
67-64-1	Acetone	10	U
75-15-0	Carbon Disulfide	10	U
75-35-4	1,1-Dichloroethene	10	U
75-34-3	1,1-Dichloroethane	10	U
67-66-3	Chloroform	10	U
107-06-2	1,2-Dichloroethane	10	U
78-93-3	2-Butanone	10	U
71-55-6	1,1,1-Trichloroethane	10	U
56-23-5	Carbon Tetrachloride	10	U
75-27-4	Bromodichloromethane	10	U
78-87-5	1,2-Dichloropropane	10	U
10061-01-5	cis-1,3-Dichloropropene	10	U
79-01-6	Trichloroethene	10	U
124-48-1	Dibromochloromethane	10	U
79-00-5	1,1,2-Trichloroethane	10	U
71-43-2	Benzene	10	U
10061-02-6	trans-1,3-Dichloropropene	10	U
75-25-2	Bromoform	10	U
108-10-1	4-Methyl-2-pentanone	10	U
591-78-6	2-Hexanone	10	U
127-18-4	Tetrachloroethene	10	U
108-88-3	Toluene	10	U
79-34-5	1,1,2,2-Tetrachloroethane	10	U
108-90-7	Chlorobenzene	10	U
100-41-4	Ethylbenzene	10	U
100-42-5	Styrene	10	U
1330-20-7	Total Xylenes	10	U
75-71-8	Dichlorodifluoromethane	10	U
75-69-4	Trichlorofluoromethane	10	U

Lab Name: STL Buffalo

Contract: _____

SW-14

Lab Code: RECNY

Case No.: _____

SAS No.: _____

SDG No.: _____

Matrix: (soil/water) WATER

Lab Sample ID: A5C06205

Sample wt/vol: 5.00 (g/mL) ML

Lab File ID: Q8542.RR

Level: (low/med) LOW

Date Samp/Recv: 10/25/2005 10/26/2005

% Moisture: not dec. _____ Heated Purge: N

Date Analyzed: 10/31/2005

GC Column: DB-624 ID: 0.25 (mm)

Dilution Factor: 1.00

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

CAS NO.

COMPOUND

CONCENTRATION UNITS:

(ug/L or ug/Kg)

UG/L

Q

76-13-1-----	1,1,2-Trichloro-1,2,2-trifluoroethane	10	U
156-60-5-----	trans-1,2-Dichloroethene	10	U
1634-04-4-----	Methyl-t-Butyl Ether (MTBE)	10	U
156-59-2-----	cis-1,2-Dichloroethene	10	U
110-82-7-----	Cyclohexane	10	U
108-87-2-----	Methylcyclohexane	10	U
106-93-4-----	1,2-Dibromoethane	10	U
98-82-8-----	Isopropylbenzene	10	U
541-73-1-----	1,3-Dichlorobenzene	10	U
106-46-7-----	1,4-Dichlorobenzene	10	U
95-50-1-----	1,2-Dichlorobenzene	10	U
96-12-8-----	1,2-Dibromo-3-chloropropane	10	U
120-82-1-----	1,2,4-Trichlorobenzene	10	U
79-20-9-----	Methyl acetate	10	U

Lab Name: STL Buffalo

Contract: _____

SW-14

Lab Code: RECNY

Case No.: _____

SAS No.: _____

SDG No.: _____

Matrix: (soil/water) WATERLab Sample ID: A5C06205Sample wt/vol: 5.00 (g/mL) MLLab File ID: Q8542.RRLevel: (low/med) LOWDate Samp/Recv: 10/25/2005 10/26/2005

% Moisture: not dec. _____

Date Analyzed: 10/31/2005GC Column: DB-624 ID: 0.25 (mm)Dilution Factor: 1.00

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

Number TICs found: 0

CONCENTRATION UNITS:

(ug/L or ug/Kg) UG/L

CAS NO.	Compound Name	RT	Est. Conc.	Q

Lab Name: STL Buffalo

Contract: _____

SW-15

Lab Code: REONY

Case No.: _____

SAS No.: _____

SDG No.: _____

Matrix: (soil/water) WATERLab Sample ID: A5C06206Sample wt/vol: 5.00 (g/mL) MLLab File ID: Q8548.RRLevel: (low/med) LOWDate Samp/Recv: 10/25/2005 10/26/2005% Moisture: not dec. _____ Heated Purge: NDate Analyzed: 11/01/2005GC Column: DB-624 ID: 0.25 (mm)Dilution Factor: 1.00

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg)	UG/L	Q
74-87-3	Chloromethane	10	U	
74-83-9	Bromomethane	10	U	
75-01-4	Vinyl chloride	10	U	
75-00-3	Chloroethane	10	U	
75-09-2	Methylene chloride	10	U	
67-64-1	Acetone	10	U	
75-15-0	Carbon Disulfide	10	U	
75-35-4	1,1-Dichloroethene	10	U	
75-34-3	1,1-Dichloroethane	10	U	
67-66-3	Chloroform	10	U	
107-06-2	1,2-Dichloroethane	10	U	
78-93-3	2-Butanone	10	U	
71-55-6	1,1,1-Trichloroethane	10	U	
56-23-5	Carbon Tetrachloride	10	U	
75-27-4	Bromodichloromethane	10	U	
78-87-5	1,2-Dichloropropane	10	U	
10061-01-5	cis-1,3-Dichloropropene	10	U	
79-01-6	Trichloroethene	10	U	
124-48-1	Dibromochloromethane	10	U	
79-00-5	1,1,2-Trichloroethane	10	U	
71-43-2	Benzene	10	U	
10061-02-6	trans-1,3-Dichloropropene	10	U	
75-25-2	Bromoform	10	U	
108-10-1	4-Methyl-2-pentanone	10	U	
591-78-6	2-Hexanone	10	U	
127-18-4	Tetrachloroethene	10	U	
108-88-3	Toluene	10	U	
79-34-5	1,1,2,2-Tetrachloroethane	10	U	
108-90-7	Chlorobenzene	10	U	
100-41-4	Ethylbenzene	10	U	
100-42-5	Styrene	10	U	
1330-20-7	Total Xylenes	10	U	
75-71-8	Dichlorodifluoromethane	10	U	
75-69-4	Trichlorofluoromethane	10	U	

ANALYSIS DATA SHEET

Client No.

SW-15

Lab Name: STL Buffalo

Contract: _____

Lab Code: RECNY

Case No.: _____

SAS No.: _____

SDG No.: _____

Matrix: (soil/water) WATERLab Sample ID: A5C06206Sample wt/vol: 5.00 (g/mL) MLLab File ID: Q8548.RRLevel: (low/med) LOWDate Samp/Recv: 10/25/2005 10/26/2005% Moisture: not dec. _____ Heated Purge: NDate Analyzed: 11/01/2005GC Column: DB-624 ID: 0.25 (mm)Dilution Factor: 1.00

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/L Q

76-13-1-----	1,1,2-Trichloro-1,2,2-trifluoroethane	10	U
156-60-5-----	trans-1,2-Dichloroethene	10	U
1634-04-4-----	Methyl-t-Butyl Ether (MTBE)	10	U
156-59-2-----	cis-1,2-Dichloroethene	10	U
110-82-7-----	Cyclohexane	10	U
108-87-2-----	Methylcyclohexane	10	U
106-93-4-----	1,2-Dibromoethane	10	U
98-82-8-----	Isopropylbenzene	10	U
541-73-1-----	1,3-Dichlorobenzene	10	U
106-46-7-----	1,4-Dichlorobenzene	10	U
95-50-1-----	1,2-Dichlorobenzene	10	U
96-12-8-----	1,2-Dibromo-3-chloropropane	10	U
120-82-1-----	1,2,4-Trichlorobenzene	10	U
79-20-9-----	Methyl acetate	10	U

Lab Name: STL Buffalo

Contract: _____

SW-15

Lab Code: RECNY

Case No.: _____

SAS No.: _____

SDG No.: _____

Matrix: (soil/water) WATER

Lab Sample ID: A5C06206

Sample wt/vol: 5.00 (g/mL) ML

Lab File ID: Q8548.RR

Level: (low/med) LOW

Date Samp/Recv: 10/25/2005 10/26/2005

% Moisture: not dec. _____

Date Analyzed: 11/01/2005

GC Column: DB-624 ID: 0.25 (mm)

Dilution Factor: 1.00

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

Number TICs found: 1

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

CAS NO.	Compound Name	RT	Est. Conc.	Q
1.	UNKNOWN SILANOL	4.66	5	J

DELTA - AQ - ASP 2000/8260 - TCL VOLATILES
ANALYSIS DATA SHEET

37/1185

Client No.

Name: STL Buffalo

Contract: _____

SW-16

Code: REKNY

Case No.: _____

SAS No.: _____

SDG No.: _____

Mix: (soil/water) WATER

Slrle wt/vol: 5.00 (g/mL) ML

Le: (low/med) LOW

% Moisture: not dec. _____ Heated Purge: N

GC Column: DB-624 ID: 0.25 (mm)

SO₁ Extract Volume: _____ (uL)

Lab Sample ID: A5C06207

Lab File ID: Q8540.RR

Date Samp/Recv: 10/25/2005 10/26/2005

Date Analyzed: 10/31/2005

Dilution Factor: 1.00

Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg)	UG/L	Q
74-87-3	Chloromethane		10	U
74-83-9	Bromomethane		10	U
75-01-4	Vinyl chloride		10	U
75-00-3	Chloroethane		10	U
75-09-2	Methylene chloride		58	
67-64-1	Acetone		3000	E J
75-15-0	Carbon Disulfide		2	J
75-35-4	1,1-Dichloroethene		10	U
75-34-3	1,1-Dichloroethane		10	U
67-66-3	Chloroform		5	J
107-06-2	1,2-Dichloroethane		10	U
78-93-3	2-Butanone		10	U
71-55-6	1,1,1-Trichloroethane		10	U
56-23-5	Carbon Tetrachloride		1	J
75-27-4	Bromodichloromethane		10	U
78-87-5	1,2-Dichloropropane		10	U
10061-01-5	cis-1,3-Dichloropropene		10	U
79-01-6	Trichloroethene		10	U
124-48-1	Dibromochloromethane		1	J
79-00-5	1,1,2-Trichloroethane		10	U
71-43-2	Benzene		10	U
10061-02-6	trans-1,3-Dichloropropene		2	J
75-25-2	Bromoform		10	U
108-10-1	4-Methyl-2-pentanone		10	U
591-78-6	2-Hexanone		10	U
127-18-4	Tetrachloroethene		10	U
108-88-3	Toluene		1	J
79-34-5	1,1,2,2-Tetrachloroethane		290	E J
108-90-7	Chlorobenzene		10	U
100-41-4	Ethylbenzene		10	U
100-42-5	Styrene		10	U
1330-20-7	Total Xylenes		10	U
75-71-8	Dichlorodifluoromethane		10	U
75-69-4	Trichlorofluoromethane		10	U

DELTA - AQ - ASP 2000/8260 - TCL VOLATILES
ANALYSIS DATA SHEET

38/1185

Client No.

Lab Name: STL Buffalo

Contract: _____

SW-16

Lab Code: RECNV Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) WATER

Lab Sample ID: A5C06207

Sample wt/vol: 5.00 (g/mL) ML

Lab File ID: Q8540.RR

Level: (low/med) LOW

Date Samp/Recv: 10/25/2005 10/26/2005

% Moisture: not dec. _____ Heated Purge: N

Date Analyzed: 10/31/2005

GC Column: DB-624 ID: 0.25 (mm)

Dilution Factor: 1.00

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS:	
		(ug/L or ug/Kg)	UG/L
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	10	U
156-60-5	trans-1,2-Dichloroethene	1	J
1634-04-4	Methyl-t-Butyl Ether (MTBE)	10	U
156-59-2	cis-1,2-Dichloroethene	10	U
110-82-7	Cyclohexane	10	U
108-87-2	Methylcyclohexane	10	U
106-93-4	1,2-Dibromoethane	10	U
98-82-8	Isopropylbenzene	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
95-50-1	1,2-Dichlorobenzene	10	U
96-12-8	1,2-Dibromo-3-chloropropane	10	U
120-82-1	1,2,4-Trichlorobenzene	10	U
79-20-9	Methyl acetate	10	U

Lab Name: SIL Buffalo

Contract: _____

SW-16

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) WATER

Lab Sample ID: A5C06207

Sample wt/vol: 5.00 (g/mL) ML

Lab File ID: Q8540.RR

Level: (low/med) LOW

Date Samp/Recv: 10/25/2005 10/26/2005

% Moisture: not dec. _____

Date Analyzed: 10/31/2005

GC Column: DB-624 ID: 0.25 (mm)

Dilution Factor: 1.00

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

Number TICs found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

CAS NO.	Compound Name	RT	Est. Conc.	Q

DELTA - AQ - ASP 2000/8260 - TCL VOLATILES
ANALYSIS DATA SHEET

40/1185

Client No.

Lab Name: STL Buffalo

Contract: _____

SW-16

Lab Code: RECNY

Case No.: _____

SAS No.: _____

SDG No.: _____

Matrix: (soil/water) WATER

Lab Sample ID: A5C06207DL

Sample wt/vol: 5.00 (g/mL) ML

Lab File ID: Q8547.RR

Level: (low/med) LOW

Date Samp/Recv: 10/25/2005 10/26/2005

% Moisture: not dec. _____ Heated Purge: N

Date Analyzed: 11/01/2005

GC Column: DB-624 ID: 0.25 (mm)

Dilution Factor: 25.00

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

CAS NO. COMPOUND CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L Q

74-87-3-----	Chloromethane	250	U
74-83-9-----	Bromomethane	250	U
75-01-4-----	Vinyl chloride	250	U
75-00-3-----	Chloroethane	51	DJ
75-09-2-----	Methylene chloride	3700	D
67-64-1-----	Acetone	250	U
75-15-0-----	Carbon Disulfide	250	U
75-35-4-----	1,1-Dichloroethene	250	U
75-34-3-----	1,1-Dichloroethane	250	U
67-66-3-----	Chloroform	250	U
107-06-2-----	1,2-Dichloroethane	250	U
78-93-3-----	2-Butanone	250	U
71-55-6-----	1,1,1-Trichloroethane	250	U
56-23-5-----	Carbon Tetrachloride	250	U
75-27-4-----	Bromodichloromethane	250	U
78-87-5-----	1,2-Dichloropropane	250	U
10061-01-5----	cis-1,3-Dichloropropene	250	U
79-01-6-----	Trichloroethene	250	U
124-48-1-----	Dibromochloromethane	250	U
79-00-5-----	1,1,2-Trichloroethane	250	U
71-43-2-----	Benzene	250	U
10061-02-6----	trans-1,3-Dichloropropene	250	U
75-25-2-----	Bromoform	250	U
108-10-1-----	4-Methyl-2-pentanone	250	U
591-78-6-----	2-Hexanone	250	U
127-18-4-----	Tetrachloroethene	250	U
108-88-3-----	Toluene	310	D
79-34-5-----	1,1,2,2-Tetrachloroethane	250	U
108-90-7-----	Chlorobenzene	250	U
100-41-4-----	Ethylbenzene	250	U
100-42-5-----	Styrene	250	U
1330-20-7-----	Total Xylenes	250	U
75-71-8-----	Dichlorodifluoromethane	250	U
75-69-4-----	Trichlorofluoromethane	250	U

DELTA - AQ - ASP 2000/8260 - TCL VOLATILES
ANALYSIS DATA SHEET

41/1185

Client No.

Lab Name: STL Buffalo

Contract: _____

SW-16

Lab Code: RECONY Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) WATER

Lab Sample ID: A5C06207DL

Sample wt/vol: 5.00 (g/mL) ML

Lab File ID: Q8547.RR

Level: (low/med) LOW

Date Samp/Recv: 10/25/2005 10/26/2005

% Moisture: not dec. _____ Heated Purge: N

Date Analyzed: 11/01/2005

GC Column: DB-624 ID: 0.25 (mm)

Dilution Factor: 25.00

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS:	
		(ug/L or ug/Kg)	UG/L Q
76-13-1-----	1,1,2-Trichloro-1,2,2-trifluoroethane	250	U
156-60-5-----	trans-1,2-Dichloroethene	250	U
1634-04-4-----	Methyl-t-Butyl Ether (MTBE)	250	U
156-59-2-----	cis-1,2-Dichloroethene	250	U
110-82-7-----	Cyclohexane	250	U
108-87-2-----	Methylcyclohexane	250	U
106-93-4-----	1,2-Dibromoethane	250	U
98-82-8-----	Isopropylbenzene	250	U
541-73-1-----	1,3-Dichlorobenzene	250	U
106-46-7-----	1,4-Dichlorobenzene	250	U
95-50-1-----	1,2-Dichlorobenzene	250	U
96-12-8-----	1,2-Dibromo-3-chloropropane	250	U
120-82-1-----	1,2,4-Trichlorobenzene	250	U
79-20-9-----	Methyl acetate	250	U

DELTA - AQ - ASP 2000/8260 - TCL VOLATILES
TENTATIVELY IDENTIFIED COMPOUNDS

42/1185

Client No.

Lab Name: STL Buffalo

Contract: _____

SW-16

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) WATER

Lab Sample ID: A5C06207DL

Sample wt/vol: 5.00 (g/mL) ML

Lab File ID: Q8547.RR

Level: (low/med) LOW

Date Samp/Recv: 10/25/2005 10/26/2005

% Moisture: not dec. _____

Date Analyzed: 11/01/2005

GC Column: DB-624 ID: 0.25 (mm)

Dilution Factor: 25.00

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

Number TICs found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

CAS NO.	Compound Name	RT	Est. Conc.	Q

Lab Name: STL Buffalo

Contract: _____

SW-17

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____Matrix: (soil/water) WATERLab Sample ID: A5C06208Sample wt/vol: 5.00 (g/mL) MLLab File ID: Q8539.RRLevel: (low/med) LOWDate Samp/Recv: 10/25/2005 10/26/2005% Moisture: not dec. _____ Heated Purge: NDate Analyzed: 10/31/2005GC Column: DB-624 ID: 0.25 (mm)Dilution Factor: 1.00

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/L Q

74-87-3-----	Chloromethane	10	U
74-83-9-----	Bromomethane	10	U
75-01-4-----	Vinyl chloride	10	U
75-00-3-----	Chloroethane	10	U
75-09-2-----	Methylene chloride	68	
67-64-1-----	Acetone	7	J
75-15-0-----	Carbon Disulfide	10	U
75-35-4-----	1,1-Dichloroethene	10	U
75-34-3-----	1,1-Dichloroethane	10	U
67-66-3-----	Chloroform	10	U
107-06-2-----	1,2-Dichloroethane	10	U
78-93-3-----	2-Butanone	10	U
71-55-6-----	1,1,1-Trichloroethane	10	U
56-23-5-----	Carbon Tetrachloride	10	U
75-27-4-----	Bromodichloromethane	10	U
78-87-5-----	1,2-Dichloropropane	10	U
10061-01-5----	cis-1,3-Dichloropropene	10	U
79-01-6-----	Trichloroethene	10	U
124-48-1-----	Dibromochloromethane	10	U
79-00-5-----	1,1,2-Trichloroethane	10	U
71-43-2-----	Benzene	10	U
10061-02-6----	trans-1,3-Dichloropropene	10	U
75-25-2-----	Bromoform	10	U
108-10-1-----	4-Methyl-2-pentanone	10	U
591-78-6-----	2-Hexanone	10	U
127-18-4-----	Tetrachloroethene	10	U
108-88-3-----	Toluene	10	U
79-34-5-----	1,1,2,2-Tetrachloroethane	10	U
108-90-7-----	Chlorobenzene	10	U
100-41-4-----	Ethylbenzene	10	U
100-42-5-----	Styrene	10	U
1330-20-7-----	Total Xylenes	10	U
75-71-8-----	Dichlorodifluoromethane	10	U
75-69-4-----	Trichlorofluoromethane	10	U

Lab Name: STL Buffalo

Contract: _____

SW-17

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____Matrix: (soil/water) WATERLab Sample ID: A5C06208Sample wt/vol: 5.00 (g/mL) MLLab File ID: Q8539.RRLevel: (low/med) LOWDate Samp/Recv: 10/25/2005 10/26/2005% Moisture: not dec. _____ Heated Purge: NDate Analyzed: 10/31/2005GC Column: DB-624 ID: 0.25 (mm)Dilution Factor: 1.00

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS:	
		(ug/L or ug/Kg)	UG/L Q
76-13-1-----	1,1,2-Trichloro-1,2,2-trifluoroethane	10	U
156-60-5-----	trans-1,2-Dichloroethene	10	U
1634-04-4-----	Methyl-t-Butyl Ether (MTBE)	10	U
156-59-2-----	cis-1,2-Dichloroethene	10	U
110-82-7-----	Cyclohexane	10	U
108-87-2-----	Methylcyclohexane	10	U
106-93-4-----	1,2-Dibromoethane	10	U
98-82-8-----	Isopropylbenzene	10	U
541-73-1-----	1,3-Dichlorobenzene	10	U
106-46-7-----	1,4-Dichlorobenzene	10	U
95-50-1-----	1,2-Dichlorobenzene	10	U
96-12-8-----	1,2-Dibromo-3-chloropropane	10	U
120-82-1-----	1,2,4-Trichlorobenzene	10	U
79-20-9-----	Methyl acetate	10	U

TENTATIVELY IDENTIFIED COMPOUNDS

Client No.

SW-17

Lab Name: STL Buffalo Contract: _____Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____Matrix: (soil/water) WATER Lab Sample ID: A5C06208Sample wt/vol: 5.00 (g/mL) ML Lab File ID: Q8539.RRLevel: (low/med) LOW Date Samp/Recv: 10/25/2005 10/26/2005% Moisture: not dec. _____ Date Analyzed: 10/31/2005GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

Number TICs found: 1 CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

CAS NO.	Compound Name	RT	Est. Conc.	Q
1.	UNKNOWN SILANOL	4.66	6	J

Lab Name: STL Buffalo

Contract: _____

SW-18

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____Matrix: (soil/water) WATERLab Sample ID: A5C06209Sample wt/vol: 5.00 (g/mL) MLLab File ID: Q8538.RRLevel: (low/med) LOWDate Samp/Recv: 10/25/2005 10/26/2005% Moisture: not dec. _____ Heated Purge: NDate Analyzed: 10/31/2005GC Column: DB-624 ID: 0.25 (mm)Dilution Factor: 1.00

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

CAS NO. COMPOUND CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L Q

74-87-3-----	Chloromethane	10	U
74-83-9-----	Bromomethane	10	U
75-01-4-----	Vinyl chloride	10	U
75-00-3-----	Chloroethane	10	U
75-09-2-----	Methylene chloride	59	
67-64-1-----	Acetone	7	J
75-15-0-----	Carbon Disulfide	10	U
75-35-4-----	1,1-Dichloroethene	10	U
75-34-3-----	1,1-Dichloroethane	10	U
67-66-3-----	Chloroform	10	U
107-06-2-----	1,2-Dichloroethane	10	U
78-93-3-----	2-Butanone	10	U
71-55-6-----	1,1,1-Trichloroethane	10	U
56-23-5-----	Carbon Tetrachloride	10	U
75-27-4-----	Bromodichloromethane	10	U
78-87-5-----	1,2-Dichloropropane	10	U
10061-01-5----	cis-1,3-Dichloropropene	10	U
79-01-6-----	Trichloroethene	10	U
124-48-1-----	Dibromochloromethane	10	U
79-00-5-----	1,1,2-Trichloroethane	10	U
71-43-2-----	Benzene	10	U
10061-02-6----	trans-1,3-Dichloropropene	10	U
75-25-2-----	Bromoform	10	U
108-10-1-----	4-Methyl-2-pentanone	10	U
591-78-6-----	2-Hexanone	10	U
127-18-4-----	Tetrachloroethene	10	U
108-88-3-----	Toluene	10	U
79-34-5-----	1,1,2,2-Tetrachloroethane	10	U
108-90-7-----	Chlorobenzene	10	U
100-41-4-----	Ethylbenzene	10	U
100-42-5-----	Styrene	10	U
1330-20-7-----	Total Xylenes	10	U
75-71-8-----	Dichlorodifluoromethane	10	U
75-69-4-----	Trichlorofluoromethane	10	U

Lab Name: STL Buffalo

Contract: _____

SW-18

Lab Code: RECN Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) WATER

Lab Sample ID: A5C06209

Sample wt/vol: 5.00 (g/mL) ML

Lab File ID: Q8538.RR

Level: (low/med) LOW

Date Samp/Recv: 10/25/2005 10/26/2005

% Moisture: not dec. _____ Heated Purge: N

Date Analyzed: 10/31/2005

GC Column: DB-624 ID: 0.25 (mm)

Dilution Factor: 1.00

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/L Q

76-13-1-----	1,1,2-Trichloro-1,2,2-trifluoroethane	10	U
156-60-5-----	trans-1,2-Dichloroethene	10	U
1634-04-4-----	Methyl-t-Butyl Ether (MTBE)	10	U
156-59-2-----	cis-1,2-Dichloroethene	10	U
110-82-7-----	Cyclohexane	10	U
108-87-2-----	Methylcyclohexane	10	U
106-93-4-----	1,2-Dibromoethane	10	U
98-82-8-----	Isopropylbenzene	10	U
541-73-1-----	1,3-Dichlorobenzene	10	U
106-46-7-----	1,4-Dichlorobenzene	10	U
95-50-1-----	1,2-Dichlorobenzene	10	U
96-12-8-----	1,2-Dibromo-3-chloropropane	10	U
120-82-1-----	1,2,4-Trichlorobenzene	10	U
79-20-9-----	Methyl acetate	10	U

DELTA - AQ - ASP 2000/8260 - TCL VOLATILES
TENTATIVELY IDENTIFIED COMPOUNDS

48/1185

Client No.

SW-18

Lab Name: STL Buffalo Contract: _____

Lab Code: REONY Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) WATER Lab Sample ID: A5C06209

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: Q8538.RR

Level: (low/med) LOW Date Samp/Recv: 10/25/2005 10/26/2005

% Moisture: not dec. _____ Date Analyzed: 10/31/2005

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

Number TICs found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

CAS NO.	Compound Name	RT	Est. Conc.	Q

Lab Name: STL Buffalo

Contract: _____

SW-19

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) WATER Lab Sample ID: A5C06210

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: Q8535.RR

Level: (low/med) LOW Date Samp/Recv: 10/25/2005 10/26/2005

% Moisture: not dec. _____ Heated Purge: N Date Analyzed: 10/31/2005

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/L Q

74-87-3-----	Chloromethane	10	U
74-83-9-----	Bromomethane	10	U
75-01-4-----	Vinyl chloride	10	U
75-00-3-----	Chloroethane	10	U
75-09-2-----	Methylene chloride	34	
67-64-1-----	Acetone	5	J
75-15-0-----	Carbon Disulfide	10	U
75-35-4-----	1,1-Dichloroethene	10	U
75-34-3-----	1,1-Dichloroethane	10	U
67-66-3-----	Chloroform	10	U
107-06-2-----	1,2-Dichloroethane	10	U
78-93-3-----	2-Butanone	10	U
71-55-6-----	1,1,1-Trichloroethane	10	U
56-23-5-----	Carbon Tetrachloride	10	U
75-27-4-----	Bromodichloromethane	10	U
78-87-5-----	1,2-Dichloropropane	10	U
10061-01-5----	cis-1,3-Dichloropropene	10	U
79-01-6-----	Trichloroethene	10	U
124-48-1-----	Dibromochloromethane	10	U
79-00-5-----	1,1,2-Trichloroethane	10	U
71-43-2-----	Benzene	10	U
10061-02-6----	trans-1,3-Dichloropropene	10	U
75-25-2-----	Bromoform	10	U
108-10-1-----	4-Methyl-2-pentanone	10	U
591-78-6-----	2-Hexanone	10	U
127-18-4-----	Tetrachloroethene	10	U
108-88-3-----	Toluene	10	U
79-34-5-----	1,1,2,2-Tetrachloroethane	10	U
108-90-7-----	Chlorobenzene	10	U
100-41-4-----	Ethylbenzene	10	U
100-42-5-----	Styrene	10	U
1330-20-7-----	Total Xylenes	10	U
75-71-8-----	Dichlorodifluoromethane	10	U
75-69-4-----	Trichlorofluoromethane	10	U

50/1185

Client No.

Lab Name: STL Buffalo

Contract: _____

SW-19

Lab Code: RECNV Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) WATER

Lab Sample ID: A5C06210

Sample wt/vol: 5.00 (g/mL) ML

Lab File ID: Q8535.RR

Level: (low/med) LOW

Date Samp/Recv: 10/25/2005 10/26/2005

% Moisture: not dec. _____ Heated Purge: N

Date Analyzed: 10/31/2005

GC Column: DB-624 ID: 0.25 (mm)

Dilution Factor: 1.00

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

CAS NO. COMPOUND CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L Q

76-13-1-----	1,1,2-Trichloro-1,2,2-trifluoroethane	10	U
156-60-5-----	trans-1,2-Dichloroethene	10	U
1634-04-4-----	Methyl-t-Butyl Ether (MTBE)	10	U
156-59-2-----	cis-1,2-Dichloroethene	10	U
110-82-7-----	Cyclohexane	10	U
108-87-2-----	Methylcyclohexane	10	U
106-93-4-----	1,2-Dibromoethane	10	U
98-82-8-----	Isopropylbenzene	10	U
541-73-1-----	1,3-Dichlorobenzene	10	U
106-46-7-----	1,4-Dichlorobenzene	10	U
95-50-1-----	1,2-Dichlorobenzene	10	U
96-12-8-----	1,2-Dibromo-3-chloropropane	10	U
120-82-1-----	1,2,4-Trichlorobenzene	10	U
79-20-9-----	Methyl acetate	10	U

SW-19

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) WATER Lab Sample ID: A5C06210

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: Q8535.RR

Level: (low/med) LOW Date Samp/Recv: 10/25/2005 10/26/2005

% Moisture: not dec. _____ Date Analyzed: 10/31/2005

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

Number TICs found: 1 CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

CAS NO.	Compound Name	RT	Est. Conc.	Q
1.	UNKNOWN SILANOL	4.66	5	J

52/1185

Client No.

Lab Name: STL Buffalo

Contract: _____

SW-19A

Lab Code: RECNY

Case No.: _____

SAS No.: _____

SDG No.: _____

Matrix: (soil/water) WATER

Lab Sample ID: A5C06211

Sample wt/vol: 5.00 (g/mL) ML

Lab File ID: Q8534.RR

Level: (low/med) LOW

Date Samp/Recv: 10/25/2005 10/26/2005

% Moisture: not dec. _____ Heated Purge: N

Date Analyzed: 10/31/2005

GC Column: DB-624 ID: 0.25 (mm)

Dilution Factor: 1.00

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS:	
		(ug/L or ug/Kg)	UG/L
74-87-3	Chloromethane	10	U
74-83-9	Bromomethane	10	U
75-01-4	Vinyl chloride	10	U
75-00-3	Chloroethane	10	U
75-09-2	Methylene chloride	35	U
67-64-1	Acetone	5	J
75-15-0	Carbon Disulfide	10	U
75-35-4	1,1-Dichloroethene	10	U
75-34-3	1,1-Dichloroethane	10	U
67-66-3	Chloroform	10	U
107-06-2	1,2-Dichloroethane	10	U
78-93-3	2-Butanone	10	U
71-55-6	1,1,1-Trichloroethane	10	U
56-23-5	Carbon Tetrachloride	10	U
75-27-4	Bromodichloromethane	10	U
78-87-5	1,2-Dichloropropane	10	U
10061-01-5	cis-1,3-Dichloropropene	10	U
79-01-6	Trichloroethene	10	U
124-48-1	Dibromochloromethane	10	U
79-00-5	1,1,2-Trichloroethane	10	U
71-43-2	Benzene	10	U
10061-02-6	trans-1,3-Dichloropropene	10	U
75-25-2	Bromoform	10	U
108-10-1	4-Methyl-2-pentanone	10	U
591-78-6	2-Hexanone	10	U
127-18-4	Tetrachloroethene	10	U
108-88-3	Toluene	10	U
79-34-5	1,1,2,2-Tetrachloroethane	10	U
108-90-7	Chlorobenzene	10	U
100-41-4	Ethylbenzene	10	U
100-42-5	Styrene	10	U
1330-20-7	Total Xylenes	10	U
75-71-8	Dichlorodifluoromethane	10	U
75-69-4	Trichlorofluoromethane	10	U

53/1185

Client No.

Lab Name: STL Buffalo

Contract: _____

SW-19A

Lab Code: REONY

Case No.: _____

SAS No.: _____

SDG No.: _____

Matrix: (soil/water) WATER

Lab Sample ID: A5C06211

Sample wt/vol: 5.00 (g/mL) ML

Lab File ID: Q8534.RR

Level: (low/med) LOW

Date Samp/Recv: 10/25/2005 10/26/2005

% Moisture: not dec. _____ Heated Purge: N

Date Analyzed: 10/31/2005

GC Column: DB-624 ID: 0.25 (mm)

Dilution Factor: 1.00

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

CAS NO.

COMPOUND

CONCENTRATION UNITS:

(ug/L or ug/Kg)

UG/L

Q

76-13-1-----	1,1,2-Trichloro-1,2,2-trifluoroethane	10	U
156-60-5-----	trans-1,2-Dichloroethene	10	U
1634-04-4-----	Methyl-t-Butyl Ether (MTBE)	10	U
156-59-2-----	cis-1,2-Dichloroethene	10	U
110-82-7-----	Cyclohexane	10	U
108-87-2-----	Methylcyclohexane	10	U
106-93-4-----	1,2-Dibromoethane	10	U
98-82-8-----	Isopropylbenzene	10	U
541-73-1-----	1,3-Dichlorobenzene	10	U
106-46-7-----	1,4-Dichlorobenzene	10	U
95-50-1-----	1,2-Dichlorobenzene	10	U
96-12-8-----	1,2-Dibromo-3-chloropropane	10	U
120-82-1-----	1,2,4-Trichlorobenzene	10	U
79-20-9-----	Methyl acetate	10	U

SW-19A

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) WATER Lab Sample ID: A5C06211

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: Q8534.RR

Level: (low/med) LOW Date Samp/Recv: 10/25/2005 10/26/2005

% Moisture: not dec. _____ Date Analyzed: 10/31/2005

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

Number TICs found: 1 CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

CAS NO.	Compound Name	RT	Est. Conc.	Q
1.	UNKNOWN SILANOL	4.66	7	J

TRIP BLANK

Lab Name: SIL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) WATER Lab Sample ID: A5C06212

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: Q8533.RR

Level: (low/med) LOW Date Samp/Recv: 10/25/2005 10/26/2005

% Moisture: not dec. _____ Heated Purge: N Date Analyzed: 10/31/2005

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/L Q

74-87-3-----	Chloromethane	10	U
74-83-9-----	Bromomethane	10	U
75-01-4-----	Vinyl chloride	10	U
75-00-3-----	Chloroethane	10	U
75-09-2-----	Methylene chloride	10	U
67-64-1-----	Acetone	10	U
75-15-0-----	Carbon Disulfide	10	U
75-35-4-----	1,1-Dichloroethene	10	U
75-34-3-----	1,1-Dichloroethane	10	U
67-66-3-----	Chloroform	10	U
107-06-2-----	1,2-Dichloroethane	10	U
78-93-3-----	2-Butanone	10	U
71-55-6-----	1,1,1-Trichloroethane	10	U
56-23-5-----	Carbon Tetrachloride	10	U
75-27-4-----	Bromodichloromethane	10	U
78-87-5-----	1,2-Dichloropropane	10	U
10061-01-5----	cis-1,3-Dichloropropene	10	U
79-01-6-----	Trichloroethene	10	U
124-48-1-----	Dibromochloromethane	10	U
79-00-5-----	1,1,2-Trichloroethane	10	U
71-43-2-----	Benzene	10	U
10061-02-6----	trans-1,3-Dichloropropene	10	U
75-25-2-----	Bromoform	10	U
108-10-1-----	4-Methyl-2-pentanone	10	U
591-78-6-----	2-Hexanone	10	U
127-18-4-----	Tetrachloroethene	10	U
108-88-3-----	Toluene	10	U
79-34-5-----	1,1,2,2-Tetrachloroethane	10	U
108-90-7-----	Chlorobenzene	10	U
100-41-4-----	Ethylbenzene	10	U
100-42-5-----	Styrene	10	U
1330-20-7-----	Total Xylenes	10	U
75-71-8-----	Dichlorodifluoromethane	10	U
75-69-4-----	Trichlorofluoromethane	10	U

TRIP BLANK

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) WATER Lab Sample ID: A5C06212

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: Q8533.RR

Level: (low/med) LOW Date Samp/Recv: 10/25/2005 10/26/2005

% Moisture: not dec. _____ Heated Purge: N Date Analyzed: 10/31/2005

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/L	Q
76-13-1-----	1,1,2-Trichloro-1,2,2-trifluoroethane	10	U	
156-60-5-----	trans-1,2-Dichloroethene	10	U	
1634-04-4----	Methyl-t-Butyl Ether (MTBE)	10	U	
156-59-2-----	cis-1,2-Dichloroethene	10	U	
110-82-7-----	Cyclohexane	10	U	
108-87-2-----	Methylcyclohexane	10	U	
106-93-4-----	1,2-Dibromoethane	10	U	
98-82-8-----	Isopropylbenzene	10	U	
541-73-1-----	1,3-Dichlorobenzene	10	U	
106-46-7-----	1,4-Dichlorobenzene	10	U	
95-50-1-----	1,2-Dichlorobenzene	10	U	
96-12-8-----	1,2-Dibromo-3-chloropropane	10	U	
120-82-1-----	1,2,4-Trichlorobenzene	10	U	
79-20-9-----	Methyl acetate	10	U	

TRIP BLANK

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) WATER Lab Sample ID: A5C06212

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: Q8533.RR

Level: (low/med) LOW Date Samp/Recv: 10/25/2005 10/26/2005

% Moisture: not dec. _____ Date Analyzed: 10/31/2005

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

Number TICs found: 0 CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

CAS NO.	Compound Name	RT	Est. Conc.	Q

ASP 2000 - METHOD 8270 SEMIVOLATILES
ANALYSIS DATA SHEET

Client No.

SW-10

Lab Name: STL Buffalo

Contract: _____

Lab Code: RECNY

Case No.: _____

SAS No.: _____

SDG No.: _____

Matrix: (soil/water) WATERLab Sample ID: A5C06201Sample wt/vol: 920.00 (g/mL) MLLab File ID: V12263.RRLevel: (low/med) LOWDate Samp/Recv: 10/25/2005 10/26/2005% Moisture: _____ decanted: (Y/N) NDate Extracted: 10/27/2005Concentrated Extract Volume: 1000 (uL)Date Analyzed: 11/02/2005Injection Volume: 2.00 (uL)Dilution Factor: 5.00GPC Cleanup: (Y/N) N pH: 6.0

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/L Q

100-52-7	Benzaldehyde	54	U
108-95-2	Phenol	54	U
111-44-4	Bis(2-chloroethyl) ether	54	U
95-57-8	2-Chlorophenol	54	U
95-48-7	2-Methylphenol	54	U
108-60-1	2,2'-Oxybis(1-Chloropropane)	54	U
98-86-2	Acetophenone	54	U
106-44-5	4-Methylphenol	54	U
621-64-7	N-Nitroso-Di-n-propylamine	54	U
67-72-1	Hexachloroethane	54	U
98-95-3	Nitrobenzene	54	U
78-59-1	Isophorone	54	U
88-75-5	2-Nitrophenol	54	U
105-67-9	2,4-Dimethylphenol	54	U
111-91-1	Bis(2-chloroethoxy) methane	54	U
120-83-2	2,4-Dichlorophenol	54	U
91-20-3	Naphthalene	54	U
106-47-8	4-Chloroaniline	54	U
87-68-3	Hexachlorobutadiene	54	U
105-60-2	Caprolactam	54	U
59-50-7	4-Chloro-3-methylphenol	54	U
91-57-6	2-Methylnaphthalene	54	U
77-47-4	Hexachlorocyclopentadiene	140	U
88-06-2	2,4,6-Trichlorophenol	54	U
95-95-4	2,4,5-Trichlorophenol	54	U
92-52-4	Biphenyl	54	U
91-58-7	2-Chloronaphthalene	54	U
88-74-4	2-Nitroaniline	140	U
131-11-3	Dimethyl phthalate	54	U
208-96-8	Acenaphthylene	54	U
606-20-2	2,6-Dinitrotoluene	54	U
99-09-2	3-Nitroaniline	140	U

ASP 2000 - METHOD 8270 SEMIVOLATILES
ANALYSIS DATA SHEET

Client No.

SW-10

Lab Name: STL Buffalo Contract: _____Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____Matrix: (soil/water) WATER Lab Sample ID: A5C06201Sample wt/vol: 920.00 (g/mL) ML Lab File ID: V12263.RRLevel: (low/med) LOW Date Samp/Recv: 10/25/2005 10/26/2005% Moisture: _____ decanted: (Y/N) N Date Extracted: 10/27/2005Concentrated Extract Volume: 1000 (uL) Date Analyzed: 11/02/2005Injection Volume: 2.00 (uL) Dilution Factor: 5.00GPC Cleanup: (Y/N) N pH: 6.0

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/L Q

83-32-9-----	Acenaphthene	54	U
51-28-5-----	2,4-Dinitrophenol	140	U
100-02-7-----	4-Nitrophenol	140	U
132-64-9-----	Dibenzofuran	54	U
121-14-2-----	2,4-Dinitrotoluene	54	U
84-66-2-----	Diethyl phthalate	54	U
7005-72-3-----	4-Chlorophenyl phenyl ether	54	U
86-73-7-----	Fluorene	54	U
100-01-6-----	4-Nitroaniline	140	U
534-52-1-----	4,6-Dinitro-2-methylphenol	140	U R
86-30-6-----	N-nitrosodiphenylamine	54	U
101-55-3-----	4-Bromophenyl phenyl ether	54	U
118-74-1-----	Hexachlorobenzene	54	U
1912-24-9-----	Atrazine	54	U
87-86-5-----	Pentachlorophenol	140	U
85-01-8-----	Phenanthrene	54	U
120-12-7-----	Anthracene	54	U
86-74-8-----	Carbazole	54	U
84-74-2-----	Di-n-butyl phthalate	54	U
206-44-0-----	Fluoranthene	2	J
129-00-0-----	Pyrene	2	J
85-68-7-----	Butyl benzyl phthalate	54	U
91-94-1-----	3,3'-Dichlorobenzidine	54	U
56-55-3-----	Benzo (a) anthracene	1	J
218-01-9-----	Chrysene	1	J
117-81-7-----	Bis (2-ethylhexyl) phthalate	54	U
117-84-0-----	Di-n-octyl phthalate	54	U
205-99-2-----	Benzo (b) fluoranthene	3	J
207-08-9-----	Benzo (k) fluoranthene	3	J
50-32-8-----	Benzo (a) pyrene	2	J
193-39-5-----	Indeno (1,2,3-cd) pyrene	54	U
53-70-3-----	Dibenzo (a,h) anthracene	54	U

ASP 2000 - METHOD 8270 SEMIVOLATILES
ANALYSIS DATA SHEET

60/1185

Client No.

SW-10

Lab Name: STL Buffalo Contract: _____

Lab Code: RECN Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) WATER Lab Sample ID: A5C06201

Sample wt/vol: 920.00 (g/mL) ML Lab File ID: V12263.RR

Level: (low/med) LOW Date Samp/Recv: 10/25/2005 10/26/2005

% Moisture: _____ decanted: (Y/N) N Date Extracted: 10/27/2005

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 11/02/2005

Injection Volume: 2.00 (uL) Dilution Factor: 5.00

GPC Cleanup: (Y/N) N pH: 6.0

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/L Q

191-24-2-----	Benzo(ghi)perylene	54	U
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ASP 2000 - METHOD 8270 SEMIVOLATILES
TENTATIVELY IDENTIFIED COMPOUNDS

61/1185

Client No.

SW-10

Lab Name: STL Buffalo Contract: _____

Lab Code: REONY Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) WATER Lab Sample ID: A5C06201

Sample wt/vol: 920.00 (g/mL) ML Lab File ID: V12263.RR

Level: (Low/med) LOW Date Samp/Recv: 10/25/2005 10/26/2005

% Moisture: _____ decanted: (Y/N) N Date Extracted: 10/27/2005

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 11/02/2005

Injection Volume: 2.00 (uL) Dilution Factor: 5.00

GPC Cleanup: (Y/N) N pH: 6.0

Number TICs found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

CAS NO.	Compound Name	RT	Est. Conc.	Q

ASP 2000 - METHOD 8270 SEMIVOLATILES
ANALYSIS DATA SHEET

62/1185

Client No.

SW-11

Lab Name: STL Buffalo

Contract: _____

Lab Code: RECNY

Case No.: _____

SAS No.: _____

SDG No.: _____

Matrix: (soil/water) WATER

Lab Sample ID: A5C06202

Sample wt/vol: 1010.0 (g/mL) ML

Lab File ID: V12264.RR

Level: (low/med) LOW

Date Samp/Recv: 10/25/2005 10/26/2005

% Moisture: _____ decanted: (Y/N) N

Date Extracted: 10/27/2005

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 11/02/2005

Injection Volume: 2.00 (uL)

Dilution Factor: 10.00

GPC Cleanup: (Y/N) N pH: 5.0

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/L Q

100-52-7	Benzaldehyde	99	U
108-95-2	Phenol	99	U
111-44-4	Bis(2-chloroethyl) ether	99	U
95-57-8	2-Chlorophenol	99	U
95-48-7	2-Methylphenol	99	U
108-60-1	2,2'-Oxybis(1-Chloropropane)	99	U
98-86-2	Acetophenone	99	U
106-44-5	4-Methylphenol	99	U
621-64-7	N-Nitroso-Di-n-propylamine	99	U
67-72-1	Hexachloroethane	99	U
98-95-3	Nitrobenzene	99	U
78-59-1	Isophorone	99	U
88-75-5	2-Nitrophenol	99	U
105-67-9	2,4-Dimethylphenol	99	U
111-91-1	Bis(2-chloroethoxy) methane	99	U
120-83-2	2,4-Dichlorophenol	99	U
91-20-3	Naphthalene	99	U
106-47-8	4-Chloroaniline	99	U
87-68-3	Hexachlorobutadiene	99	U
105-60-2	Caprolactam	99	U
59-50-7	4-Chloro-3-methylphenol	99	U
91-57-6	2-Methylnaphthalene	99	U
77-47-4	Hexachlorocyclopentadiene	250	U
88-06-2	2,4,6-Trichlorophenol	99	U
95-95-4	2,4,5-Trichlorophenol	99	U
92-52-4	Biphenyl	99	U
91-58-7	2-Chloronaphthalene	99	U
88-74-4	2-Nitroaniline	250	U
131-11-3	Dimethyl phthalate	99	U
208-96-8	Acenaphthylene	99	U
606-20-2	2,6-Dinitrotoluene	99	U
99-09-2	3-Nitroaniline	250	U

ASP 2000 - METHOD 8270 SEMIVOLATILES
ANALYSIS DATA SHEET

63/1185

Client No.

SW-11

Lab Name: STL Buffalo

Contract: _____

Lab Code: RECNY

Case No.: _____

SAS No.: _____

SDG No.: _____

Matrix: (soil/water) WATER

Lab Sample ID: A5C06202

Sample wt/vol: 1010.0 (g/mL) ML

Lab File ID: V12264.RR

Level: (low/med) LOW

Date Samp/Recv: 10/25/2005 10/26/2005

% Moisture: _____ decanted: (Y/N) N

Date Extracted: 10/27/2005

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 11/02/2005

Injection Volume: 2.00 (uL)

Dilution Factor: 10.00

GPC Cleanup: (Y/N) N pH: 5.0

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/L Q

83-32-9-----	Acenaphthene	99	U
51-28-5-----	2,4-Dinitrophenol	250	U
100-02-7-----	4-Nitrophenol	250	U
132-64-9-----	Dibenzofuran	99	U
121-14-2-----	2,4-Dinitrotoluene	99	U
84-66-2-----	Diethyl phthalate	99	U
7005-72-3-----	4-Chlorophenyl phenyl ether	99	U
86-73-7-----	Fluorene	99	U
100-01-6-----	4-Nitroaniline	250	U
534-52-1-----	4,6-Dinitro-2-methylphenol	250	U R
86-30-6-----	N-nitrosodiphenylamine	99	U
101-55-3-----	4-Bromophenyl phenyl ether	99	U
118-74-1-----	Hexachlorobenzene	99	U
1912-24-9-----	Atrazine	99	U
87-86-5-----	Pentachlorophenol	250	U
85-01-8-----	Phenanthrene	8	J
120-12-7-----	Anthracene	3	J
86-74-8-----	Carbazole	99	U
84-74-2-----	Di-n-butyl phthalate	99	U
206-44-0-----	Fluoranthene	26	J
129-00-0-----	Pyrene	21	J
85-68-7-----	Butyl benzyl phthalate	99	U
91-94-1-----	3,3'-Dichlorobenzidine	99	U
55-55-3-----	Benzo(a)anthracene	12	J
218-01-9-----	Chrysene	14	J
117-81-7-----	Bis(2-ethylhexyl) phthalate	99	U
117-84-0-----	Di-n-octyl phthalate	99	U
205-99-2-----	Benzo(b)fluoranthene	21	J
207-08-9-----	Benzo(k)fluoranthene	8	J
50-32-8-----	Benzo(a)pyrene	16	J
193-39-5-----	Indeno(1,2,3-cd)pyrene	15	J
53-70-3-----	Dibenzo(a,h)anthracene	4	J

ASP 2000 - METHOD 8270 SEMIVOLATILES
ANALYSIS DATA SHEET

64/1185

Client No.

SW-11

Lab Name: STL Buffalo Contract: _____

Lab Code: REONY Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) WATER Lab Sample ID: A5C06202

Sample wt/vol: 1010.0 (g/mL) ML Lab File ID: V12264.RR

Level: (low/med) LOW Date Samp/Recv: 10/25/2005 10/26/2005

% Moisture: _____ decanted: (Y/N) N Date Extracted: 10/27/2005

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 11/02/2005

Injection Volume: 2.00 (uL) Dilution Factor: 10.00

GPC Cleanup: (Y/N) N pH: 5.0

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/L	Q
191-24-2-----	Benzo (ghi) perylene		19	J

ASP 2000 - METHOD 8270 SEMIVOLATILES
TENTATIVELY IDENTIFIED COMPOUNDS

Client No.

SW-11

Lab Name: STL Buffalo Contract: _____Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____Matrix: (soil/water) WATERLab Sample ID: A5C06202Sample wt/vol: 1010.0 (g/mL) MLLab File ID: V12264.RRLevel: (low/med) LOWDate Samp/Recv: 10/25/2005 10/26/2005% Moisture: _____ decanted: (Y/N) NDate Extracted: 10/27/2005Concentrated Extract Volume: 1000 (uL)Date Analyzed: 11/02/2005Injection Volume: 2.00 (uL)Dilution Factor: 10.00GPC Cleanup: (Y/N) N pH: 5.0Number TICs found: 1CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

CAS NO.	Compound Name	RT	Est. Conc.	Q
1.	UNKNOWN ACID	15.05	36	J

ASP 2000 - METHOD 8270 SEMIVOLATILES
ANALYSIS DATA SHEET

Client No.

SW-12

Lab Name: STL Buffalo

Contract: _____

Lab Code: REONY Case No.: _____ SAS No.: _____ SDG No.: _____Matrix: (soil/water) WATERLab Sample ID: A5C06203Sample wt/vol: 965.00 (g/mL) MLLab File ID: V12259.RRLevel: (low/med) LOWDate Samp/Recv: 10/25/2005 10/26/2005% Moisture: _____ decanted: (Y/N) NDate Extracted: 10/27/2005Concentrated Extract Volume: 1000 (uL)Date Analyzed: 11/01/2005Injection Volume: 2.00 (uL)Dilution Factor: 1.00GPC Cleanup: (Y/N) N pH: 6.0

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/L Q

100-52-7-----	Benzaldehyde	10	U
108-95-2-----	Phenol	10	U
111-44-4-----	Bis(2-chloroethyl) ether	10	U
95-57-8-----	2-Chlorophenol	10	U
95-48-7-----	2-Methylphenol	10	U
108-60-1-----	2,2'-Oxybis(1-Chloropropane)	10	U
98-86-2-----	Acetophenone	10	U
106-44-5-----	4-Methylphenol	10	U
621-64-7-----	N-Nitroso-Di-n-propylamine	10	U
67-72-1-----	Hexachloroethane	10	U
98-95-3-----	Nitrobenzene	10	U
78-59-1-----	Isophorone	10	U
88-75-5-----	2-Nitrophenol	10	U
105-67-9-----	2,4-Dimethylphenol	10	U
111-91-1-----	Bis(2-chloroethoxy) methane	10	U
120-83-2-----	2,4-Dichlorophenol	10	U
91-20-3-----	Naphthalene	10	U
106-47-8-----	4-Chloroaniline	10	U
87-68-3-----	Hexachlorobutadiene	10	U
106-60-2-----	Caprolactam	10	U
59-50-7-----	4-Chloro-3-methylphenol	10	U
91-57-6-----	2-Methylnaphthalene	10	U
77-47-4-----	Hexachlorocyclopentadiene	26	U
88-06-2-----	2,4,6-Trichlorophenol	10	U
95-95-4-----	2,4,5-Trichlorophenol	10	U
92-52-4-----	Biphenyl	10	U
91-58-7-----	2-Chloronaphthalene	10	U
88-74-4-----	2-Nitroaniline	26	U
131-11-3-----	Dimethyl phthalate	10	U
208-96-8-----	Acenaphthylene	10	U
606-20-2-----	2,6-Dinitrotoluene	10	U
99-09-2-----	3-Nitroaniline	26	U

ASP 2000 - METHOD 8270 SEMIVOLATILES
 ANALYSIS DATA SHEET

Client No.

SW-12

Lab Name: STL Buffalo

Contract: _____

Lab Code: RECNY

Case No.: _____

SAS No.: _____

SDG No.: _____

Matrix: (soil/water) WATERLab Sample ID: A5C06203Sample wt/vol: 965.00 (g/mL) MLLab File ID: V12259.RRLevel: (low/med) LOWDate Samp/Recv: 10/25/2005 10/26/2005% Moisture: _____ decanted: (Y/N) NDate Extracted: 10/27/2005Concentrated Extract Volume: 1000 (uL)Date Analyzed: 11/01/2005Injection Volume: 2.00 (uL)Dilution Factor: 1.00GPC Cleanup: (Y/N) N pH: 6.0

CONCENTRATION UNITS:

 CAS NO. COMPOUND (ug/L or ug/Kg) UG/L Q

83-32-9-----	Acenaphthene	10	U
51-28-5-----	2,4-Dinitrophenol	26	U
100-02-7-----	4-Nitrophenol	26	U
132-64-9-----	Dibenzofuran	10	U
121-14-2-----	2,4-Dinitrotoluene	10	U
84-66-2-----	Diethyl phthalate	10	U
7005-72-3-----	4-Chlorophenyl phenyl ether	10	U
86-73-7-----	Fluorene	10	U
100-01-6-----	4-Nitroaniline	26	U
534-52-1-----	4,6-Dinitro-2-methylphenol	26	U
86-30-6-----	N-nitrosodiphenylamine	10	U
101-55-3-----	4-Bromophenyl phenyl ether	10	U
118-74-1-----	Hexachlorobenzene	10	U
1912-24-9-----	Atrazine	10	U
87-86-5-----	Pentachlorophenol	26	U
85-01-8-----	Phenanthrene	10	U
120-12-7-----	Anthracene	10	U
86-74-8-----	Carbazole	10	U
84-74-2-----	Di-n-butyl phthalate	10	U
206-44-0-----	Fluoranthene	10	U
129-00-0-----	Pyrene	10	U
85-68-7-----	Butyl benzyl phthalate	10	U
91-94-1-----	3,3'-Dichlorobenzidine	10	U
55-55-3-----	Benzo (a) anthracene	10	U
218-01-9-----	Chrysene	10	U
117-81-7-----	Bis (2-ethylhexyl) phthalate	10	U
117-84-0-----	Di-n-octyl phthalate	10	U
205-99-2-----	Benzo (b) fluoranthene	10	U
207-08-9-----	Benzo (k) fluoranthene	10	U
50-32-8-----	Benzo (a) pyrene	10	U
193-39-5-----	Indeno (1,2,3-cd) pyrene	10	U
53-70-3-----	Dibenzo (a, h) anthracene	10	U

ASP 2000 - METHOD 8270 SEMIVOLATILES
ANALYSIS DATA SHEET

68/1185

Client No.

SW-12

Lab Name: STL Buffalo

Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) WATER

Lab Sample ID: A5C06203

Sample wt/vol: 965.00 (g/mL) ML

Lab File ID: V12259.RR

Level: (low/med) LOW

Date Samp/Recv: 10/25/2005 10/26/2005

% Moisture: _____ decanted: (Y/N) N

Date Extracted: 10/27/2005

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 11/01/2005

Injection Volume: 2.00 (uL)

Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 6.0

CONCENTRATION UNITS:

CAS NO. COMPOUND

(ug/L or ug/Kg)

UG/L

Q

191-24-2-----Benzo(ghi)perylene

10

U

69/1185

ASP 2000 - METHOD 8270 SEMIVOLATILES
TENTATIVELY IDENTIFIED COMPOUNDS

Client No.

SW-12

Lab Name: STL Buffalo Contract: _____Lab Code: REONY Case No.: _____ SAS No.: _____ SDG No.: _____Matrix: (soil/water) WATERLab Sample ID: A5C06203Sample wt/vol: 965.00 (g/mL) MLLab File ID: V12259.RRLevel: (low/med) LOWDate Samp/Recv: 10/25/2005 10/26/2005% Moisture: _____ decanted: (Y/N) NDate Extracted: 10/27/2005Concentrated Extract Volume: 1000 (uL)Date Analyzed: 11/01/2005Injection Volume: 2.00 (uL)Dilution Factor: 1.00GPC Cleanup: (Y/N) N pH: 6.0Number TICs found: 1CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

CAS NO.	Compound Name	RT	Est. Conc.	Q
1.	UNKNOWN	15.49	3	J

ASP 2000 - METHOD 8270 SEMIVOLATILES
ANALYSIS DATA SHEET

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Client No.

SW-13

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) WATER Lab Sample ID: A5C06204

Sample wt/vol: 980.00 (g/mL) ML Lab File ID: V12260.RR

Level: (low/med) LOW Date Samp/Recv: 10/25/2005 10/26/2005

% Moisture: _____ decanted: (Y/N) N Date Extracted: 10/27/2005

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 11/01/2005

Injection Volume: 2.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 6.0

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/L Q

100-52-7-----	Benzaldehyde	10	U
108-95-2-----	Phenol	10	U
111-44-4-----	Bis(2-chloroethyl) ether	10	U
95-57-8-----	2-Chlorophenol	10	U
95-48-7-----	2-Methylphenol	10	U
108-60-1-----	2,2'-Oxybis(1-Chloropropane)	10	U
98-86-2-----	Acetophenone	10	U
106-44-5-----	4-Methylphenol	10	U
621-64-7-----	N-Nitroso-Di-n-propylamine	10	U
67-72-1-----	Hexachloroethane	10	U
98-95-3-----	Nitrobenzene	10	U
78-59-1-----	Isophorone	10	U
88-75-5-----	2-Nitrophenol	10	U
105-67-9-----	2,4-Dimethylphenol	10	U
111-91-1-----	Bis(2-chloroethoxy) methane	10	U
120-83-2-----	2,4-Dichlorophenol	10	U
91-20-3-----	Naphthalene	10	U
106-47-8-----	4-Chloroaniline	10	U
87-68-3-----	Hexachlorobutadiene	10	U
105-60-2-----	Caprolactam	10	U
59-50-7-----	4-Chloro-3-methylphenol	10	U
91-57-6-----	2-Methylnaphthalene	10	U
77-47-4-----	Hexachlorocyclopentadiene	26	U
88-06-2-----	2,4,6-Trichlorophenol	10	U
95-95-4-----	2,4,5-Trichlorophenol	10	U
92-52-4-----	Biphenyl	10	U
91-58-7-----	2-Chloronaphthalene	10	U
88-74-4-----	2-Nitroaniline	26	U
131-11-3-----	Dimethyl phthalate	10	U
208-96-8-----	Acenaphthylene	10	U
606-20-2-----	2,6-Dinitrotoluene	10	U
99-09-2-----	3-Nitroaniline	26	U

ASP 2000 - METHOD 8270 SEMIVOLATILES
ANALYSIS DATA SHEET

71/1185

Client No.

SW-13

Lab Name: STL Buffalo

Contract: _____

Lab Code: RECNY

Case No.: _____

SAS No.: _____

SDG No.: _____

Matrix: (soil/water) WATER

Lab Sample ID: A5C06204

Sample wt/vol: 980.00 (g/mL) ML

Lab File ID: V12260.RR

Level: (low/med) LOW

Date Samp/Recv: 10/25/2005 10/26/2005

% Moisture: _____ decanted: (Y/N) N

Date Extracted: 10/27/2005

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 11/01/2005

Injection Volume: 2.00 (uL)

Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 6.0

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/L Q

83-32-9-----	Acenaphthene	10	U
51-28-5-----	2,4-Dinitrophenol	26	U
100-02-7-----	4-Nitrophenol	26	U
132-64-9-----	Dibenzofuran	10	U
121-14-2-----	2,4-Dinitrotoluene	10	U
84-66-2-----	Diethyl phthalate	10	U
7005-72-3-----	4-Chlorophenyl phenyl ether	10	U
86-73-7-----	Fluorene	10	U
100-01-6-----	4-Nitroaniline	26	U
534-52-1-----	4,6-Dinitro-2-methylphenol	26	U
86-30-6-----	N-nitrosodiphenylamine	10	U
101-55-3-----	4-Bromophenyl phenyl ether	10	U
118-74-1-----	Hexachlorobenzene	10	U
1912-24-9-----	Atrazine	10	U
87-86-5-----	Pentachlorophenol	26	U
85-01-8-----	Phenanthrene	0.5	J
120-12-7-----	Anthracene	10	U
86-74-8-----	Carbazole	10	U
84-74-2-----	Di-n-butyl phthalate	10	U
206-44-0-----	Fluoranthene	1	J
129-00-0-----	Pyrene	1	J
85-68-7-----	Butyl benzyl phthalate	10	U
91-94-1-----	3,3'-Dichlorobenzidine	10	U
56-55-3-----	Benzo (a) anthracene	0.6	J
218-01-9-----	Chrysene	0.8	J
117-81-7-----	Bis(2-ethylhexyl) phthalate	10	U
117-84-0-----	Di-n-octyl phthalate	10	U
205-99-2-----	Benzo (b) fluoranthene	1	J
207-08-9-----	Benzo (k) fluoranthene	0.4	J
50-32-8-----	Benzo (a) pyrene	0.8	J
193-39-5-----	Indeno (1,2,3-cd) pyrene	0.6	J
53-70-3-----	Dibenzo (a,h) anthracene	10	U

ASP 2000 - METHOD 8270 SEMIVOLATILES
ANALYSIS DATA SHEET

72/1185

Client No.

SW-13

Lab Name: STL Buffalo

Contract: _____

Lab Code: RECNY

Case No.: _____

SAS No.: _____

SDG No.: _____

Matrix: (soil/water) WATER

Lab Sample ID: A5C06204

Sample wt/vol: 980.00 (g/mL) ML

Lab File ID: V12260.RR

Level: (low/med) LOW

Date Samp/Recv: 10/25/2005 10/26/2005

% Moisture: _____ decanted: (Y/N) N

Date Extracted: 10/27/2005

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 11/01/2005

Injection Volume: 2.00 (uL)

Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 6.0

CONCENTRATION UNITS:

CAS NO.

COMPOUND

(ug/L or ug/Kg)

UG/L

Q

191-24-2-----Benzo(ghi)perylene

0.7

J

ASP 2000 - METHOD 8270 SEMIVOLATILES
TENTATIVELY IDENTIFIED COMPOUNDS

Client No.

SW-13

Lab Name: STL Buffalo

Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____Matrix: (soil/water) WATERLab Sample ID: A5C06204Sample wt/vol: 980.00 (g/mL) MLLab File ID: V12260.RRLevel: (low/med) LOWDate Samp/Recv: 10/25/2005 10/26/2005% Moisture: _____ decanted: (Y/N) NDate Extracted: 10/27/2005Concentrated Extract Volume: 1000 (uL)Date Analyzed: 11/01/2005Injection Volume: 2.00 (uL)Dilution Factor: 1.00GPC Cleanup: (Y/N) N pH: 6.0Number TICs found: 4CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

CAS NO.	Compound Name	RT	Est. Conc.	Q
1. 541-02-6	DECAMETHYLCYCLOPENTASILOXANE	7.96	2	JN
2. 100017-94-0	2 (1H)NAPHTHALENONE,3,5,6,7,8	19.01	6	JN
3.	UNKNOWN	19.43	10	J
4. 559-74-0	FRIEDELAN-3-ONE	20.15	22	JN

ASP 2000 - METHOD 8270 SEMIVOLATILES
ANALYSIS DATA SHEET

74/1185

Client No.

Lab Name: STL Buffalo

Contract: _____

SW-14

Lab Code: RECNV Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) WATER

Lab Sample ID: A5C06205

Sample wt/vol: 960.00 (g/mL) ML

Lab File ID: V12265.RR

Level: (low/med) LOW

Date Samp/Recv: 10/25/2005 10/26/2005

% Moisture: _____ decanted: (Y/N) N

Date Extracted: 10/27/2005

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 11/02/2005

Injection Volume: 2.00 (uL)

Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 6.0

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/L Q

100-52-7	Benzaldehyde	10	U
108-95-2	Phenol	10	U
111-44-4	Bis(2-chloroethyl) ether	10	U
95-57-8	2-Chlorophenol	10	U
95-48-7	2-Methylphenol	10	U
108-60-1	2,2'-Oxybis(1-Chloropropane)	10	U
98-86-2	Acetophenone	10	U
106-44-5	4-Methylphenol	10	U
621-64-7	N-Nitroso-Di-n-propylamine	10	U
67-72-1	Hexachloroethane	10	U
98-95-3	Nitrobenzene	10	U
78-59-1	Isophorone	10	U
88-75-5	2-Nitrophenol	10	U
105-67-9	2,4-Dimethylphenol	10	U
111-91-1	Bis(2-chloroethoxy) methane	10	U
120-83-2	2,4-Dichlorophenol	10	U
91-20-3	Naphthalene	10	U
106-47-8	4-Chloroaniline	10	U
87-68-3	Hexachlorobutadiene	10	U
105-60-2	Caprolactam	10	U
59-50-7	4-Chloro-3-methylphenol	10	U
91-57-6	2-Methylnaphthalene	10	U
77-47-4	Hexachlorocyclopentadiene	26	U
88-06-2	2,4,6-Trichlorophenol	10	U
95-95-4	2,4,5-Trichlorophenol	10	U
92-52-4	Biphenyl	10	U
91-58-7	2-Chloronaphthalene	10	U
88-74-4	2-Nitroaniline	26	U
131-11-3	Dimethyl phthalate	10	U
208-96-8	Acenaphthylene	10	U
606-20-2	2,6-Dinitrotoluene	10	U
99-09-2	3-Nitroaniline	26	U

ASP 2000 - METHOD 8270 SEMIVOLATILES
ANALYSIS DATA SHEET

75/1185

Client No.

SW-14

Lab Name: STL Buffalo Contract: _____

Lab Code: REONY Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) WATER Lab Sample ID: A5C06205

Sample wt/vol: 960.00 (g/mL) ML Lab File ID: V12265.RR

Level: (low/med) LOW Date Samp/Recv: 10/25/2005 10/26/2005

% Moisture: _____ decanted: (Y/N) N Date Extracted: 10/27/2005

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 11/02/2005

Injection Volume: 2.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 6.0

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/L Q

83-32-9-----	Acenaphthene	10	U
51-28-5-----	2,4-Dinitrophenol	26	U
100-02-7-----	4-Nitrophenol	26	U
132-64-9-----	Dibenzofuran	10	U
121-14-2-----	2,4-Dinitrotoluene	10	U
84-66-2-----	Diethyl phthalate	10	U
7005-72-3-----	4-Chlorophenyl phenyl ether	10	U
86-73-7-----	Fluorene	10	U
100-01-6-----	4-Nitroaniline	26	U
534-52-1-----	4,6-Dinitro-2-methylphenol	26	UR
86-30-6-----	N-nitrosodiphenylamine	10	U
101-55-3-----	4-Bromophenyl phenyl ether	10	U
118-74-1-----	Hexachlorobenzene	10	U
1912-24-9-----	Atrazine	10	U
87-86-5-----	Pentachlorophenol	26	U
85-01-8-----	Phenanthrene	10	U
120-12-7-----	Anthracene	10	U
86-74-8-----	Carbazole	10	U
84-74-2-----	Di-n-butyl phthalate	10	U
205-44-0-----	Fluoranthene	0.3	J
129-00-0-----	Pyrene	10	U
85-68-7-----	Butyl benzyl phthalate	10	U
91-94-1-----	3,3'-Dichlorobenzidine	10	U
56-55-3-----	Benzo (a) anthracene	10	U
218-01-9-----	Chrysene	10	U
117-81-7-----	Bis(2-ethylhexyl) phthalate	10	U
117-84-0-----	Di-n-octyl phthalate	10	U
205-99-2-----	Benzo (b) fluoranthene	10	U
207-08-9-----	Benzo (k) fluoranthene	10	U
50-32-8-----	Benzo (a) pyrene	10	U
193-39-5-----	Indeno (1,2,3-cd) pyrene	10	U
53-70-3-----	Dibenzo (a,h) anthracene	10	U

ASP 2000 - METHOD 8270 SEMIVOLATILES
ANALYSIS DATA SHEET

76/1185

Client No.

SW-14

Lab Name: STL Buffalo

Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) WATER

Lab Sample ID: A5C06205

Sample wt/vol: 960.00 (g/mL) ML

Lab File ID: V12265.RR

Level: (low/med) LOW

Date Samp/Recv: 10/25/2005 10/26/2005

% Moisture: _____ decanted: (Y/N) N

Date Extracted: 10/27/2005

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 11/02/2005

Injection Volume: 2.00 (uL)

Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 6.0

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/L Q

191-24-2-----	Benzo(ghi)perylene	10	U
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ASP 2000 - METHOD 8270 SEMIVOLATILES
TENTATIVELY IDENTIFIED COMPOUNDS

77/1185

Client No.

SW-14

Lab Name: STL Buffalo

Contract: _____

Lab Code: RECNY

Case No.: _____

SAS No.: _____

SDG No.: _____

Matrix: (soil/water) WATER

Lab Sample ID: A5C06205

Sample wt/vol: 960.00 (g/mL) ML

Lab File ID: V12265.RR

Level: (low/med) LOW

Date Samp/Recv: 10/25/2005 10/26/2005

% Moisture: _____ decanted: (Y/N) N

Date Extracted: 10/27/2005

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 11/02/2005

Injection Volume: 2.00 (uL)

Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 6.0

Number TICs found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

CAS NO.	Compound Name	RT	Est. Conc.	Q

ASP 2000 - METHOD 8270 SEMIVOLATILES
ANALYSIS DATA SHEET

78/1185

Client No.

SW-15

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) WATER Lab Sample ID: A5C06206

Sample wt/vol: 1050.0 (g/mL) ML Lab File ID: V12266.RR

Level: (low/med) LOW Date Samp/Recv: 10/25/2005 10/26/2005

% Moisture: _____ decanted: (Y/N) N Date Extracted: 10/27/2005

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 11/02/2005

Injection Volume: 2.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 6.0

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/L Q

100-52-7	Benzaldehyde	10	U
108-95-2	Phenol	10	U
111-44-4	Bis(2-chloroethyl) ether	10	U
95-57-8	2-Chlorophenol	10	U
95-48-7	2-Methylphenol	10	U
108-60-1	2,2'-Oxybis(1-Chloropropane)	10	U
98-86-2	Acetophenone	10	U
106-44-5	4-Methylphenol	10	U
621-64-7	N-Nitroso-Di-n-propylamine	10	U
67-72-1	Hexachloroethane	10	U
98-95-3	Nitrobenzene	10	U
78-59-1	Isophorone	10	U
88-75-5	2-Nitrophenol	10	U
105-67-9	2,4-Dimethylphenol	10	U
111-91-1	Bis(2-chloroethoxy) methane	10	U
120-83-2	2,4-Dichlorophenol	10	U
91-20-3	Naphthalene	10	U
106-47-8	4-Chloroaniline	10	U
87-68-3	Hexachlorobutadiene	10	U
105-60-2	Caprolactam	10	U
59-50-7	4-Chloro-3-methylphenol	10	U
91-57-6	2-Methylnaphthalene	10	U
77-47-4	Hexachlorocyclopentadiene	24	U
88-06-2	2,4,6-Trichlorophenol	10	U
95-95-4	2,4,5-Trichlorophenol	10	U
92-52-4	Biphenyl	10	U
91-58-7	2-Chloronaphthalene	10	U
88-74-4	2-Nitroaniline	24	U
131-11-3	Dimethyl phthalate	10	U
208-96-8	Acenaphthylene	10	U
606-20-2	2,6-Dinitrotoluene	10	U
99-09-2	3-Nitroaniline	24	U

ASP 2000 - METHOD 8270 SEMIVOLATILES
ANALYSIS DATA SHEET

79/1185

Client No.

SW-15

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) WATER Lab Sample ID: A5C06206

Sample wt/vol: 1050.0 (g/mL) ML Lab File ID: V12266.RR

Level: (low/med) LOW Date Samp/Recv: 10/25/2005 10/26/2005

% Moisture: _____ decanted: (Y/N) N Date Extracted: 10/27/2005

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 11/02/2005

Injection Volume: 2.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 6.0

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/L Q

83-32-9-----	Acenaphthene	10	U
51-28-5-----	2,4-Dinitrophenol	24	U
100-02-7-----	4-Nitrophenol	24	U
132-64-9-----	Dibenzofuran	10	U
121-14-2-----	2,4-Dinitrotoluene	10	U
84-66-2-----	Diethyl phthalate	10	U
7005-72-3-----	4-Chlorophenyl phenyl ether	10	U
86-73-7-----	Fluorene	10	U
100-01-6-----	4-Nitroaniline	24	U
534-52-1-----	4,6-Dinitro-2-methylphenol	24	UR
86-30-6-----	N-nitrosodiphenylamine	10	U
101-55-3-----	4-Bromophenyl phenyl ether	10	U
118-74-1-----	Hexachlorobenzene	10	U
1912-24-9-----	Atrazine	10	U
87-86-5-----	Pentachlorophenol	24	U
85-01-8-----	Phenanthrene	10	U
120-12-7-----	Anthracene	10	U
86-74-8-----	Carbazole	10	U
84-74-2-----	Di-n-butyl phthalate	10	U
206-44-0-----	Fluoranthene	10	U
129-00-0-----	Pyrene	10	U
85-68-7-----	Butyl benzyl phthalate	10	U
91-94-1-----	3,3'-Dichlorobenzidine	10	U
56-55-3-----	Benzo (a) anthracene	10	U
218-01-9-----	Chrysene	10	U
117-81-7-----	Bis (2-ethylhexyl) phthalate	10	U
117-84-0-----	Di-n-octyl phthalate	10	U
205-99-2-----	Benzo (b) fluoranthene	10	U
207-08-9-----	Benzo (k) fluoranthene	10	U
50-32-8-----	Benzo (a) pyrene	10	U
193-39-5-----	Indeno (1,2,3-cd) pyrene	10	U
53-70-3-----	Dibenzo (a,h) anthracene	10	U

ASP 2000 - METHOD 8270 SEMIVOLATILES
ANALYSIS DATA SHEET

80/1185

Client No.

SW-15

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) WATER Lab Sample ID: A5C06206

Sample wt/vol: 1050.0 (g/mL) ML Lab File ID: V12266.RR

Level: (low/med) LOW Date Samp/Recv: 10/25/2005 10/26/2005

% Moisture: _____ decanted: (Y/N) N Date Extracted: 10/27/2005

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 11/02/2005

Injection Volume: 2.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 6.0

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/L Q

191-24-2-----Benzo(ghi)perylene	10	U
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ASP 2000 - METHOD 8270 SEMIVOLATILES
TENTATIVELY IDENTIFIED COMPOUNDS

Client No.

SW-15

Lab Name: STL Buffalo Contract: _____Lab Code: REONY Case No.: _____ SAS No.: _____ SDG No.: _____Matrix: (soil/water) WATER Lab Sample ID: A5C06206Sample wt/vol: 1050.0 (g/mL) ML Lab File ID: V12266.RRLevel: (low/med) LOW Date Samp/Recv: 10/25/2005 10/26/2005% Moisture: _____ decanted: (Y/N) N Date Extracted: 10/27/2005Concentrated Extract Volume: 1000 (uL) Date Analyzed: 11/02/2005Injection Volume: 2.00 (uL) Dilution Factor: 1.00GPC Cleanup: (Y/N) N pH: 6.0Number TICs found: 5CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

CAS NO.	Compound Name	RT	Est. Conc.	Q
1. 111-76-2	2-BUTOXYETHANOL	5.33	12	JN
2.	UNKNOWN ACID	15.03	4	J
3.	UNKNOWN ACID	15.06	8	J
4.	UNKNOWN	15.65	3	J
5.	UNKNOWN	16.75	2	J

ASP 2000 - METHOD 8270 SEMIVOLATILES
ANALYSIS DATA SHEET

82/1185

Client No.

Lab Name: STL Buffalo

Contract: _____

SW-16

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) WATER

Lab Sample ID: A5C06207

Sample wt/vol: 1050.0 (g/mL) ML

Lab File ID: V12267.RR

Level: (low/med) LOW

Date Samp/Recv: 10/25/2005 10/26/2005

% Moisture: _____ decanted: (Y/N) N

Date Extracted: 10/27/2005

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 11/02/2005

Injection Volume: 2.00 (uL)

Dilution Factor: 5.00

GPC Cleanup: (Y/N) N pH: 6.0

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/L Q

100-52-7	Benzaldehyde	48	U
108-95-2	Phenol	48	U
111-44-4	Bis(2-chloroethyl) ether	48	U
95-57-8	2-Chlorophenol	48	U
95-48-7	2-Methylphenol	48	U
108-60-1	2,2'-Oxybis(1-Chloropropane)	48	U
98-86-2	Acetophenone	48	U
106-44-5	4-Methylphenol	48	U
621-64-7	N-Nitroso-Di-n-propylamine	48	U
67-72-1	Hexachloroethane	48	U
98-95-3	Nitrobenzene	48	U
78-59-1	Isophorone	48	U
88-75-5	2-Nitrophenol	48	U
105-67-9	2,4-Dimethylphenol	48	U
111-91-1	Bis(2-chloroethoxy) methane	48	U
120-83-2	2,4-Dichlorophenol	48	U
91-20-3	Naphthalene	48	U
106-47-8	4-Chloroaniline	48	U
87-68-3	Hexachlorobutadiene	48	U
105-60-2	Caprolactam	48	U
59-50-7	4-Chloro-3-methylphenol	48	U
91-57-6	2-Methylnaphthalene	48	U
77-47-4	Hexachlorocyclopentadiene	120	U
88-06-2	2,4,6-Trichlorophenol	48	U
95-95-4	2,4,5-Trichlorophenol	48	U
92-52-4	Biphenyl	48	U
91-58-7	2-Chloronaphthalene	48	U
88-74-4	2-Nitroaniline	120	U
131-11-3	Dimethyl phthalate	48	U
208-96-8	Acenaphthylene	48	U
606-20-2	2,6-Dinitrotoluene	48	U
99-09-2	3-Nitroaniline	120	U

ASP 2000 - METHOD 8270 SEMIVOLATILES
ANALYSIS DATA SHEET

83/1185

Client No.

Lab Name: STL Buffalo

Contract: _____

SW-16

Lab Code: RECNY

Case No.: _____

SAS No.: _____

SDG No.: _____

Matrix: (soil/water) WATER

Lab Sample ID: A5C06207

Sample wt/vol: 1050.0 (g/mL) ML

Lab File ID: V12267.RR

Level: (Low/med) LOW

Date Samp/Recv: 10/25/2005 10/26/2005

% Moisture: _____ decanted: (Y/N) N

Date Extracted: 10/27/2005

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 11/02/2005

Injection Volume: 2.00 (uL)

Dilution Factor: 5.00

GPC Cleanup: (Y/N) N pH: 6.0

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/L	Q
83-32-9-----	Acenaphthene	48	U	
51-28-5-----	2,4-Dinitrophenol	120	U	
100-02-7-----	4-Nitrophenol	120	U	
132-64-9-----	Dibenzofuran	48	U	
121-14-2-----	2,4-Dinitrotoluene	48	U	
84-66-2-----	Diethyl phthalate	48	U	
7005-72-3-----	4-Chlorophenyl phenyl ether	48	U	
86-73-7-----	Fluorene	48	U	
100-01-6-----	4-Nitroaniline	120	U	
534-52-1-----	4,6-Dinitro-2-methylphenol	120	U	R
86-30-6-----	N-nitrosodiphenylamine	48	U	
101-55-3-----	4-Bromophenyl phenyl ether	48	U	
118-74-1-----	Hexachlorobenzene	48	U	
1912-24-9-----	Atrazine	48	U	
87-86-5-----	Pentachlorophenol	120	U	
85-01-8-----	Phenanthrene	48	U	
120-12-7-----	Anthracene	48	U	
86-74-8-----	Carbazole	48	U	
84-74-2-----	Di-n-butyl phthalate	48	U	
206-44-0-----	Fluoranthene	48	U	
129-00-0-----	Pyrene	48	U	
85-68-7-----	Butyl benzyl phthalate	48	U	
91-94-1-----	3,3'-Dichlorobenzidine	48	U	
56-55-3-----	Benzo(a)anthracene	48	U	
218-01-9-----	Chrysene	48	U	
117-81-7-----	Bis(2-ethylhexyl) phthalate	48	U	
117-84-0-----	Di-n-octyl phthalate	48	U	
205-99-2-----	Benzo(b)fluoranthene	48	U	
207-08-9-----	Benzo(k)fluoranthene	48	U	
50-32-8-----	Benzo(a)pyrene	48	U	
193-39-5-----	Indeno(1,2,3-cd)pyrene	48	U	
53-70-3-----	Dibenzo(a,h)anthracene	48	U	

ASP 2000 - METHOD 8270 SEMIVOLATILES
ANALYSIS DATA SHEET

84/1185

Client No.

SW-16

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNV Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) WATER Lab Sample ID: A5C06207

Sample wt/vol: 1050.0 (g/mL) ML Lab File ID: V12267.RR

Level: (low/med) LOW Date Samp/Recv: 10/25/2005 10/26/2005

% Moisture: _____ decanted: (Y/N) N Date Extracted: 10/27/2005

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 11/02/2005

Injection Volume: 2.00 (uL) Dilution Factor: 5.00

GPC Cleanup: (Y/N) N pH: 6.0

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/L Q

191-24-2-----	Benzo(ghi)perylene	48	U
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ASP 2000 - METHOD 8270 SEMIVOLATILES
TENTATIVELY IDENTIFIED COMPOUNDS

Client No.

SW-16

Lab Name: STL Buffalo Contract: _____Lab Code: REONY Case No.: _____ SAS No.: _____ SDG No.: _____Matrix: (soil/water) WATERLab Sample ID: A5C06207Sample wt/vol: 1050.0 (g/mL) MLLab File ID: V12267.RRLevel: (low/med) LOWDate Samp/Recv: 10/25/2005 10/26/2005% Moisture: _____ decanted: (Y/N) NDate Extracted: 10/27/2005Concentrated Extract Volume: 1000 (uL)Date Analyzed: 11/02/2005Injection Volume: 2.00 (uL)Dilution Factor: 5.00GPC Cleanup: (Y/N) N pH: 6.0Number TICs found: 4CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

CAS NO.	Compound Name	RT	Est. Conc.	Q
1.	UNKNOWN	3.31	160	J
2. 111-76-2	2-BUTOXYETHANOL	5.35	17	JN
3. 111-06-8	HEXADECANOIC ACID, BUTYL ESTR	14.77	55	JN
4. 123-95-5	OCTADECANOIC ACID, BUTYL ESTR	15.42	50	JN

ASP 2000 - METHOD 8270 SEMIVOLATILES
ANALYSIS DATA SHEET

86/1185

Client No.

SW-17

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) WATER Lab Sample ID: A5C06208

Sample wt/vol: 1045.0 (g/mL) ML Lab File ID: VL2268.RR

Level: (low/med) LOW Date Samp/Recv: 10/25/2005 10/26/2005

% Moisture: _____ decanted: (Y/N) N Date Extracted: 10/27/2005

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 11/02/2005

Injection Volume: 2.00 (uL) Dilution Factor: 5.00

GPC Cleanup: (Y/N) N pH: 6.0

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/L	Q
100-52-7-----	Benzaldehyde	48	U	
108-95-2-----	Phenol	48	U	
111-44-4-----	Bis(2-chloroethyl) ether	48	U	
95-57-8-----	2-Chlorophenol	48	U	
95-48-7-----	2-Methylphenol	48	U	
108-60-1-----	2,2'-Oxybis(1-Chloropropane)	48	U	
98-86-2-----	Acetophenone	48	U	
106-44-5-----	4-Methylphenol	48	U	
621-64-7-----	N-Nitroso-Di-n-propylamine	48	U	
67-72-1-----	Hexachloroethane	48	U	
98-95-3-----	Nitrobenzene	48	U	
78-59-1-----	Isophorone	48	U	
88-75-5-----	2-Nitrophenol	48	U	
105-67-9-----	2,4-Dimethylphenol	48	U	
111-91-1-----	Bis(2-chloroethoxy) methane	48	U	
120-83-2-----	2,4-Dichlorophenol	48	U	
91-20-3-----	Naphthalene	48	U	
106-47-8-----	4-Chloroaniline	48	U	
87-68-3-----	Hexachlorobutadiene	48	U	
105-60-2-----	Caprolactam	48	U	
59-50-7-----	4-Chloro-3-methylphenol	48	U	
91-57-6-----	2-Methylnaphthalene	48	U	
77-47-4-----	Hexachlorocyclopentadiene	120	U	
88-06-2-----	2,4,6-Trichlorophenol	48	U	
95-95-4-----	2,4,5-Trichlorophenol	48	U	
92-52-4-----	Biphenyl	48	U	
91-58-7-----	2-Chloronaphthalene	48	U	
88-74-4-----	2-Nitroaniline	120	U	
131-11-3-----	Dimethyl phthalate	48	U	
208-96-8-----	Acenaphthylene	48	U	
606-20-2-----	2,6-Dinitrotoluene	48	U	
99-09-2-----	3-Nitroaniline	120	U	

ASP 2000 - METHOD 8270 SEMIVOLATILES
ANALYSIS DATA SHEET

87/1185

Client No.

SW-17

Lab Name: STL Buffalo

Contract: _____

Lab Code: RECNY

Case No.: _____

SAS No.: _____

SDG No.: _____

Matrix: (soil/water) WATER

Lab Sample ID: A5C06208

Sample wt/vol: 1045.0 (g/mL) ML

Lab File ID: V12268.RR

Level: (low/med) LOW

Date Samp/Recv: 10/25/2005 10/26/2005

% Moisture: _____ decanted: (Y/N) N

Date Extracted: 10/27/2005

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 11/02/2005

Injection Volume: 2.00 (uL)

Dilution Factor: 5.00

GPC Cleanup: (Y/N) N pH: 6.0

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/L Q

83-32-9-----	Acenaphthene	48	U
51-28-5-----	2,4-Dinitrophenol	120	U
100-02-7-----	4-Nitrophenol	120	U
132-64-9-----	Dibenzofuran	48	U
121-14-2-----	2,4-Dinitrotoluene	48	U
84-66-2-----	Diethyl phthalate	48	U
7005-72-3-----	4-Chlorophenyl phenyl ether	48	U
86-73-7-----	Fluorene	48	U
100-01-6-----	4-Nitroaniline	120	U
534-52-1-----	4,6-Dinitro-2-methylphenol	120	UR
86-30-6-----	N-nitrosodiphenylamine	48	U
101-55-3-----	4-Bromophenyl phenyl ether	48	U
118-74-1-----	Hexachlorobenzene	48	U
1912-24-9-----	Atrazine	48	U
87-86-5-----	Pentachlorophenol	120	U
85-01-8-----	Phenanthrene	48	U
120-12-7-----	Anthracene	48	U
86-74-8-----	Carbazole	48	U
84-74-2-----	Di-n-butyl phthalate	48	U
206-44-0-----	Fluoranthene	1	J
129-00-0-----	Pyrene	48	U
85-68-7-----	Butyl benzyl phthalate	48	U
91-94-1-----	3,3'-Dichlorobenzidine	48	U
56-55-3-----	Benzo (a) anthracene	48	U
218-01-9-----	Chrysene	48	U
117-81-7-----	Bis (2-ethylhexyl) phthalate	48	U
117-84-0-----	Di-n-octyl phthalate	48	U
205-99-2-----	Benzo (b) fluoranthene	48	U
207-08-9-----	Benzo (k) fluoranthene	48	U
50-32-8-----	Benzo (a) pyrene	48	U
193-39-5-----	Indeno (1,2,3-cd) pyrene	48	U
53-70-3-----	Dibenzo (a,h) anthracene	48	U

ASP 2000 - METHOD 8270 SEMIVOLATILES
ANALYSIS DATA SHEET

88/1185

Client No.

SW-17

Lab Name: STL Buffalo

Contract: _____

Lab Code: REUNY Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) WATER

Lab Sample ID: A5C06208

Sample wt/vol: 1045.0 (g/mL) ML

Lab File ID: V12268.RR

Level: (low/med) LOW

Date Samp/Recv: 10/25/2005 10/26/2005

% Moisture: _____ decanted: (Y/N) N

Date Extracted: 10/27/2005

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 11/02/2005

Injection Volume: 2.00 (uL)

Dilution Factor: 5.00

GPC Cleanup: (Y/N) N pH: 6.0

CONCENTRATION UNITS:

(ug/L or ug/Kg) UG/L Q

CAS NO.	COMPOUND	(ug/L or ug/Kg) <u>UG/L</u>	Q
191-24-2-----	Benzo (ghi) perylene	48	U

ASP 2000 - METHOD 8270 SEMIVOLATILES
TENTATIVELY IDENTIFIED COMPOUNDS

Client No.

SW-17

Lab Name: STL Buffalo Contract: _____Lab Code: REONY Case No.: _____ SAS No.: _____ SDG No.: _____Matrix: (soil/water) WATER Lab Sample ID: A5C06208Sample wt/vol: 1045.0 (g/mL) ML Lab File ID: V12268.RRLevel: (low/med) LOW Date Samp/Recv: 10/25/2005 10/26/2005% Moisture: _____ decanted: (Y/N) N Date Extracted: 10/27/2005Concentrated Extract Volume: 1000 (uL) Date Analyzed: 11/02/2005Injection Volume: 2.00 (uL) Dilution Factor: 5.00GPC Cleanup: (Y/N) N pH: 6.0Number TICs found: 4CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

CAS NO.	Compound Name	RT	Est. Conc.	Q
1.	UNKNOWN	9.80	15	J
2.	UNKNOWN	13.02	12	J
3.	UNKNOWN	15.03	11	J
4.	UNKNOWN	15.06	23	J

ASP 2000 - METHOD 8270 SEMIVOLATILES
ANALYSIS DATA SHEET

90/1185

Client No.

SW-18

Lab Name: STL Buffalo

Contract: _____

Lab Code: REINY

Case No.: _____

SAS No.: _____

SDG No.: _____

Matrix: (soil/water) WATER

Lab Sample ID: A5C06209

Sample wt/vol: 1055.0 (g/mL) ML

Lab File ID: V12269.RR

Level: (low/med) LOW

Date Samp/Recv: 10/25/2005 10/26/2005

% Moisture: _____ decanted: (Y/N) N

Date Extracted: 10/27/2005

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 11/02/2005

Injection Volume: 2.00 (uL)

Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 6.0

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/L Q

100-52-7	Benzaldehyde	9	U
108-95-2	Phenol	9	U
111-44-4	Bis(2-chloroethyl) ether	9	U
95-57-8	2-Chlorophenol	9	U
95-48-7	2-Methylphenol	9	U
108-60-1	2,2'-Oxybis(1-Chloropropane)	9	U
98-86-2	Acetophenone	9	U
106-44-5	4-Methylphenol	9	U
621-64-7	N-Nitroso-Di-n-propylamine	9	U
67-72-1	Hexachloroethane	9	U
98-95-3	Nitrobenzene	9	U
78-59-1	Isophorone	9	U
88-75-5	2-Nitrophenol	9	U
105-67-9	2,4-Dimethylphenol	9	U
111-91-1	Bis(2-chloroethoxy) methane	9	U
120-83-2	2,4-Dichlorophenol	9	U
91-20-3	Naphthalene	9	U
106-47-8	4-Chloroaniline	9	U
87-68-3	Hexachlorobutadiene	9	U
105-60-2	Caprolactam	9	U
59-50-7	4-Chloro-3-methylphenol	9	U
91-57-6	2-Methylnaphthalene	9	U
77-47-4	Hexachlorocyclopentadiene	24	U
88-06-2	2,4,6-Trichlorophenol	9	U
95-95-4	2,4,5-Trichlorophenol	9	U
92-52-4	Biphenyl	9	U
91-58-7	2-Chloronaphthalene	9	U
88-74-4	2-Nitroaniline	24	U
131-11-3	Dimethyl phthalate	9	U
208-96-8	Acenaphthylene	9	U
606-20-2	2,6-Dinitrotoluene	9	U
99-09-2	3-Nitroaniline	24	U

ASP 2000 - METHOD 8270 SEMIVOLATILES
ANALYSIS DATA SHEET

91/1185

Client No.

Lab Name: STL Buffalo

Contract: _____

SW-18

Lab Code: RECONY Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) WATER

Lab Sample ID: A5C06209

Sample wt/vol: 1055.0 (g/mL) ML

Lab File ID: V12269.RR

Level: (low/med) LOW

Date Samp/Recv: 10/25/2005 10/26/2005

% Moisture: _____ decanted: (Y/N) N

Date Extracted: 10/27/2005

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 11/02/2005

Injection Volume: 2.00 (uL)

Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 6.0

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/L Q

83-32-9-----	Acenaphthene	9	U
51-28-5-----	2,4-Dinitrophenol	24	U
100-02-7-----	4-Nitrophenol	24	U
132-64-9-----	Dibenzofuran	9	U
121-14-2-----	2,4-Dinitrotoluene	9	U
84-66-2-----	Diethyl phthalate	9	U
7005-72-3-----	4-Chlorophenyl phenyl ether	9	U
86-73-7-----	Fluorene	9	U
100-01-6-----	4-Nitroaniline	24	U
534-52-1-----	4,6-Dinitro-2-methylphenol	24	U R
86-30-6-----	N-nitrosodiphenylamine	9	U
101-55-3-----	4-Bromophenyl phenyl ether	9	U
118-74-1-----	Hexachlorobenzene	9	U
1912-24-9-----	Atrazine	9	U
87-86-5-----	Pentachlorophenol	24	U
85-01-8-----	Phenanthrene	9	U
120-12-7-----	Anthracene	9	U
86-74-8-----	Carbazole	9	U
84-74-2-----	Di-n-butyl phthalate	9	U
206-44-0-----	Fluoranthene	9	U
129-00-0-----	Pyrene	9	U
85-68-7-----	Butyl benzyl phthalate	9	U
91-94-1-----	3,3'-Dichlorobenzidine	9	U
56-55-3-----	Benzo (a) anthracene	9	U
218-01-9-----	Chrysene	9	U
117-81-7-----	Bis (2-ethylhexyl) phthalate	9	U
117-84-0-----	Di-n-octyl phthalate	9	U
205-99-2-----	Benzo (b) fluoranthene	9	U
207-08-9-----	Benzo (k) fluoranthene	9	U
50-32-8-----	Benzo (a) pyrene	9	U
193-39-5-----	Indeno (1,2,3-cd) pyrene	9	U
53-70-3-----	Dibenzo (a,h) anthracene	9	U

ASP 2000 - METHOD 8270 SEMIVOLATILES
ANALYSIS DATA SHEET

92/1185

Client No.

SW-18

Lab Name: STL Buffalo

Contract: _____

Lab Code: RECNY

Case No.: _____

SAS No.: _____

SDG No.: _____

Matrix: (soil/water) WATER

Lab Sample ID: A5C06209

Sample wt/vol: 1055.0 (g/mL) ML

Lab File ID: V12269.RR

Level: (low/med) LOW

Date Samp/Recv: 10/25/2005 10/26/2005

% Moisture: _____ decanted: (Y/N) N

Date Extracted: 10/27/2005

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 11/02/2005

Injection Volume: 2.00 (uL)

Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 6.0

CONCENTRATION UNITS:

CAS NO.

COMPOUND

(ug/L or ug/Kg)

UG/L

Q

191-24-2-----Benzo(ghi)perylene

9

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ASP 2000 - METHOD 8270 SEMIVOLATILES
 TENTATIVELY IDENTIFIED COMPOUNDS

Client No.

SW-18

Lab Name: STL Buffalo Contract: _____Lab Code: REGNY Case No.: _____ SAS No.: _____ SDG No.: _____Matrix: (soil/water) WATERLab Sample ID: A5C06209Sample wt/vol: 1055.0 (g/mL) MLLab File ID: V12269.RRLevel: (low/med) LOWDate Samp/Recv: 10/25/2005 10/26/2005% Moisture: _____ decanted: (Y/N) NDate Extracted: 10/27/2005Concentrated Extract Volume: 1000 (uL)Date Analyzed: 11/02/2005Injection Volume: 2.00 (uL)Dilution Factor: 1.00GPC Cleanup: (Y/N) N pH: 6.0Number TICs found: 16
 CONCENTRATION UNITS:
 (ug/L or ug/Kg) UG/L

	CAS NO.	Compound Name	RT	Est. Conc.	Q
1.	111-76-2	2-BUTOXYETHANOL	5.33	7	JN
2.	90-43-7	O-HYDROXYBIPHENYL	11.45	2	JN
3.		UNKNOWN PHTHALATE DER.	13.50	2	J
4.		UNKNOWN	13.56	4	J
5.		UNKNOWN	14.34	2	J
6.		UNKNOWN	14.37	5	J
7.	544-63-8	TETRADECANOIC ACID	14.69	2	JN
8.		UNKNOWN ACID	15.03	13	J
9.		UNKNOWN ACID	15.06	24	J
10.		DIACETOMYRISTIN ISOMER	15.63	5	J
11.		DIACETOMYRISTIN ISOMER	15.65	11	J
12.	55268-69-4	HEXADECANOIC ACID, 2- (ACETYLO	16.18	3	JN
13.	55268-70-7	HEXADECANOIC ACID, 2, 3-BIS (AC	16.20	6	JN
14.		UNKNOWN	16.55	3	J
15.		UNKNOWN	16.73	3	J
16.	55268-70-7	OCTADECANOIC ACID, 2- (ACETYLO	16.75	7	JN

ASP 2000 - METHOD 8270 SEMIVOLATILES
ANALYSIS DATA SHEET

Client No.

SW-19

Lab Name: STL Buffalo

Contract: _____

Lab Code: REXNY Case No.: _____ SAS No.: _____ SDG No.: _____Matrix: (soil/water) WATERLab Sample ID: A5C06210Sample wt/vol: 1000.0 (g/mL) MLLab File ID: V12270.RRLevel: (low/med) LOWDate Samp/Recv: 10/25/2005 10/26/2005% Moisture: _____ decanted: (Y/N) NDate Extracted: 10/27/2005Concentrated Extract Volume: 1000 (uL)Date Analyzed: 11/02/2005Injection Volume: 2.00 (uL)Dilution Factor: 1.00GPC Cleanup: (Y/N) N pH: 6.0

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/L Q

100-52-7-----	Benzaldehyde	10	U
108-95-2-----	Phenol	10	U
111-44-4-----	Bis(2-chloroethyl) ether	10	U
95-57-8-----	2-Chlorophenol	10	U
95-48-7-----	2-Methylphenol	10	U
108-60-1-----	2,2'-Oxybis(1-Chloropropane)	10	U
98-86-2-----	Acetophenone	10	U
106-44-5-----	4-Methylphenol	10	U
621-64-7-----	N-Nitroso-Di-n-propylamine	10	U
67-72-1-----	Hexachloroethane	10	U
98-95-3-----	Nitrobenzene	10	U
78-59-1-----	Isophorone	10	U
88-75-5-----	2-Nitrophenol	10	U
105-67-9-----	2,4-Dimethylphenol	10	U
111-91-1-----	Bis(2-chloroethoxy) methane	10	U
120-83-2-----	2,4-Dichlorophenol	10	U
91-20-3-----	Naphthalene	10	U
106-47-8-----	4-Chloroaniline	10	U
87-68-3-----	Hexachlorobutadiene	10	U
105-60-2-----	Caprolactam	10	U
59-50-7-----	4-Chloro-3-methylphenol	10	U
91-57-6-----	2-Methylnaphthalene	10	U
77-47-4-----	Hexachlorocyclopentadiene	25	U
88-06-2-----	2,4,6-Trichlorophenol	10	U
95-95-4-----	2,4,5-Trichlorophenol	10	U
92-52-4-----	Biphenyl	10	U
91-58-7-----	2-Chloronaphthalene	10	U
88-74-4-----	2-Nitroaniline	25	U
131-11-3-----	Dimethyl phthalate	10	U
208-96-8-----	Acenaphthylene	10	U
605-20-2-----	2,6-Dinitrotoluene	10	U
99-09-2-----	3-Nitroaniline	25	U

ASP 2000 - METHOD 8270 SEMIVOLATILES
 ANALYSIS DATA SHEET

Client No.

SW-19

Lab Name: STL Buffalo

Contract: _____

Lab Code: RECNY

Case No.: _____

SAS No.: _____

SDG No.: _____

Matrix: (soil/water) WATERLab Sample ID: A5C06210Sample wt/vol: 1000.0 (g/mL) MLLab File ID: V12270.RRLevel: (low/med) LOWDate Samp/Recv: 10/25/2005 10/26/2005% Moisture: _____ decanted: (Y/N) NDate Extracted: 10/27/2005Concentrated Extract Volume: 1000 (uL)Date Analyzed: 11/02/2005Injection Volume: 2.00 (uL)Dilution Factor: 1.00GPC Cleanup: (Y/N) N pH: 6.0

CONCENTRATION UNITS:

 CAS NO. COMPOUND (ug/L or ug/Kg) UG/L Q

83-32-9-----	Acenaphthene	10	U
51-28-5-----	2,4-Dinitrophenol	25	U
100-02-7-----	4-Nitrophenol	25	U
132-64-9-----	Dibenzofuran	10	U
121-14-2-----	2,4-Dinitrotoluene	10	U
84-66-2-----	Diethyl phthalate	10	U
7005-72-3-----	4-Chlorophenyl phenyl ether	10	U
86-73-7-----	Fluorene	10	U
100-01-6-----	4-Nitroaniline	25	U
534-52-1-----	4,6-Dinitro-2-methylphenol	25	U
86-30-6-----	N-nitrosodiphenylamine	10	U
101-55-3-----	4-Bromophenyl phenyl ether	10	U
118-74-1-----	Hexachlorobenzene	10	U
1912-24-9-----	Atrazine	10	U
87-86-5-----	Pentachlorophenol	25	U
85-01-8-----	Phenanthrene	10	U
120-12-7-----	Anthracene	10	U
86-74-8-----	Carbazole	10	U
84-74-2-----	Di-n-butyl phthalate	10	U
206-44-0-----	Fluoranthene	10	U
129-00-0-----	Pyrene	10	U
85-68-7-----	Butyl benzyl phthalate	10	U
91-94-1-----	3,3'-Dichlorobenzidine	10	U
56-55-3-----	Benzo(a)anthracene	10	U
218-01-9-----	Chrysene	10	U
117-81-7-----	Bis(2-ethylhexyl) phthalate	10	U
117-84-0-----	Di-n-octyl phthalate	10	U
205-99-2-----	Benzo(b)fluoranthene	10	U
207-08-9-----	Benzo(k)fluoranthene	10	U
50-32-8-----	Benzo(a)pyrene	10	U
193-39-5-----	Indeno(1,2,3-cd)pyrene	10	U
53-70-3-----	Dibenzo(a,h)anthracene	10	U

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ASP 2000 - METHOD 8270 SEMIVOLATILES
ANALYSIS DATA SHEET

Client No.

SW-19

Lab Name: STL Buffalo

Contract: _____

Lab Code: REONY

Case No.: _____

SAS No.: _____

SDG No.: _____

Matrix: (soil/water) WATERLab Sample ID: A5C06210Sample wt/vol: 1000.0 (g/mL) MLLab File ID: V12270.RRLevel: (low/med) LOWDate Samp/Recv: 10/25/2005 10/26/2005% Moisture: _____ decanted: (Y/N) NDate Extracted: 10/27/2005Concentrated Extract Volume: 1000 (uL)Date Analyzed: 11/02/2005Injection Volume: 2.00 (uL)Dilution Factor: 1.00GPC Cleanup: (Y/N) N pH: 6.0

CONCENTRATION UNITS:

(ug/L or ug/Kg)

UG/L

Q

CAS NO.

COMPOUND

191-24-2-----Benzo(ghi)perylene

10

U

ASP 2000 - METHOD 8270 SEMIVOLATILES
TENTATIVELY IDENTIFIED COMPOUNDS

Client No.

SW-19

Lab Name: STL Buffalo

Contract: _____

Lab Code: REONY

Case No.: _____

SAS No.: _____

SDG No.: _____

Matrix: (soil/water) WATERLab Sample ID: A5C06210Sample wt/vol: 1000.0 (g/mL) MLLab File ID: V12270.RRLevel: (low/med) LOWDate Samp/Recv: 10/25/2005 10/26/2005% Moisture: _____ decanted: (Y/N) NDate Extracted: 10/27/2005Concentrated Extract Volume: 1000 (uL)Date Analyzed: 11/02/2005Injection Volume: 2.00 (uL)Dilution Factor: 1.00GPC Cleanup: (Y/N) N pH: 6.0Number TICs found: 2

CONCENTRATION UNITS:

(ug/L or ug/Kg) UG/L

	CAS NO.	Compound Name	RT	Est. Conc.	Q
1.		UNKNOWN	9.80	2	J
2.		UNKNOWN PHTHALATE DER.	13.50	2	J

ASP 2000 - METHOD 8270 SEMIVOLATILES
 ANALYSIS DATA SHEET

Client No.

SW-19A

Lab Name: STL Buffalo

Contract: _____

Lab Code: RECNY

Case No.: _____

SAS No.: _____

SDG No.: _____

Matrix: (soil/water) WATERLab Sample ID: A5C06211Sample wt/vol: 1020.0 (g/mL) MLLab File ID: V12273.RRLevel: (low/med) LOWDate Samp/Recv: 10/25/2005 10/26/2005% Moisture: _____ decanted: (Y/N) NDate Extracted: 10/27/2005Concentrated Extract Volume: 1000 (uL)Date Analyzed: 11/02/2005Injection Volume: 2.00 (uL)Dilution Factor: 1.00GPC Cleanup: (Y/N) N pH: 6.0

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/L	Q
100-52-7	Benzaldehyde	10	U	
108-95-2	Phenol	10	U	
111-44-4	Bis(2-chloroethyl) ether	10	U	
95-57-8	2-Chlorophenol	10	U	
95-48-7	2-Methylphenol	10	U	
108-60-1	2,2'-Oxybis(1-Chloropropane)	10	U	
98-86-2	Acetophenone	10	U	
106-44-5	4-Methylphenol	10	U	
621-64-7	N-Nitroso-Di-n-propylamine	10	U	
67-72-1	Hexachloroethane	10	U	
98-95-3	Nitrobenzene	10	U	
78-59-1	Isophorone	10	U	
88-75-5	2-Nitrophenol	10	U	
105-67-9	2,4-Dimethylphenol	10	U	
111-91-1	Bis(2-chloroethoxy) methane	10	U	
120-83-2	2,4-Dichlorophenol	10	U	
91-20-3	Naphthalene	10	U	
106-47-8	4-Chloroaniline	10	U	
87-68-3	Hexachlorobutadiene	10	U	
105-60-2	Caprolactam	10	U	
59-50-7	4-Chloro-3-methylphenol	10	U	
91-57-6	2-Methylnaphthalene	10	U	
77-47-4	Hexachlorocyclopentadiene	24	U	
88-06-2	2,4,6-Trichlorophenol	10	U	
95-95-4	2,4,5-Trichlorophenol	10	U	
92-52-4	Biphenyl	10	U	
91-58-7	2-Chloronaphthalene	10	U	
88-74-4	2-Nitroaniline	24	U	
131-11-3	Dimethyl phthalate	10	U	
208-96-8	Acenaphthylene	10	U	
606-20-2	2,6-Dinitrotoluene	10	U	
99-09-2	3-Nitroaniline	24	U	

ASP 2000 - METHOD 8270 SEMIVOLATILES
 ANALYSIS DATA SHEET

Client No.

SW-19A

Lab Name: STL Buffalo

Contract: _____

Lab Code: RECNY

Case No.: _____

SAS No.: _____

SDG No.: _____

Matrix: (soil/water) WATERLab Sample ID: A5C06211Sample wt/vol: 1020.0 (g/mL) MLLab File ID: V12273.RRLevel: (low/med) LOWDate Samp/Recv: 10/25/2005 10/26/2005% Moisture: _____ decanted: (Y/N) NDate Extracted: 10/27/2005Concentrated Extract Volume: 1000 (uL)Date Analyzed: 11/02/2005Injection Volume: 2.00 (uL)Dilution Factor: 1.00GPC Cleanup: (Y/N) N pH: 6.0

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/L	Q
83-82-9-----	Acenaphthene	10	U	
51-28-5-----	2,4-Dinitrophenol	24	U	
100-02-7-----	4-Nitrophenol	24	U	
132-64-9-----	Dibenzofuran	10	U	
121-14-2-----	2,4-Dinitrotoluene	10	U	
84-66-2-----	Diethyl phthalate	10	U	
7005-72-3-----	4-Chlorophenyl phenyl ether	10	U	
86-73-7-----	Fluorene	10	U	
100-01-6-----	4-Nitroaniline	24	U	
534-52-1-----	4,6-Dinitro-2-methylphenol	24	U	
86-30-6-----	N-nitrosodiphenylamine	10	U	
101-55-3-----	4-Bromophenyl phenyl ether	10	U	
118-74-1-----	Hexachlorobenzene	10	U	
1912-24-9-----	Atrazine	10	U	
87-86-5-----	Pentachlorophenol	24	U	
85-01-8-----	Phenanthrene	10	U	
120-12-7-----	Anthracene	10	U	
86-74-8-----	Carbazole	10	U	
84-74-2-----	Di-n-butyl phthalate	10	U	
206-44-0-----	Fluoranthene	10	U	
129-00-0-----	Pyrene	10	U	
85-68-7-----	Butyl benzyl phthalate	10	U	
91-94-1-----	3,3'-Dichlorobenzidine	10	U	
56-55-3-----	Benzo(a)anthracene	10	U	
218-01-9-----	Chrysene	10	U	
117-81-7-----	Bis(2-ethylhexyl) phthalate	10	U	
117-84-0-----	Di-n-octyl phthalate	10	U	
205-99-2-----	Benzo(b)fluoranthene	10	U	
207-08-9-----	Benzo(k)fluoranthene	10	U	
50-32-8-----	Benzo(a)pyrene	10	U	
193-39-5-----	Indeno(1,2,3-cd)pyrene	10	U	
53-70-3-----	Dibenzo(a,h)anthracene	10	U	

100/1185

ASP 2000 - METHOD 8270 SEMIVOLATILES
ANALYSIS DATA SHEET

Client No.

SW-19A

Lab Name: STL Buffalo

Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____Matrix: (soil/water) WATERLab Sample ID: A5C06211Sample wt/vol: 1020.0 (g/mL) MLLab File ID: V12273.RRLevel: (low/med) LOWDate Samp/Recv: 10/25/2005 10/26/2005% Moisture: _____ decanted: (Y/N) NDate Extracted: 10/27/2005Concentrated Extract Volume: 1000 (uL)Date Analyzed: 11/02/2005Injection Volume: 2.00 (uL)Dilution Factor: 1.00GPC Cleanup: (Y/N) N pH: 6.0

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/L	Q
191-24-2-----	Benzo(ghi)perylene		10	U

ASP 2000 - METHOD 8270 SEMIVOLATILES
TENTATIVELY IDENTIFIED COMPOUNDS

Client No.

SW-19A

Lab Name: STL Buffalo

Contract: _____

Lab Code: REQNY

Case No.: _____

SAS No.: _____

SDG No.: _____

Matrix: (soil/water) WATERLab Sample ID: A5C06211Sample wt/vol: 1020.0 (g/mL) MLLab File ID: V12273.RRLevel: (low/med) LOWDate Samp/Recv: 10/25/2005 10/26/2005% Moisture: _____ decanted: (Y/N) NDate Extracted: 10/27/2005Concentrated Extract Volume: 1000 (uL)Date Analyzed: 11/02/2005Injection Volume: 2.00 (uL)Dilution Factor: 1.00GPC Cleanup: (Y/N) N pH: 6.0Number TICs found: 17

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

CAS NO.	Compound Name	RT	Est. Conc.	Q
1.	UNKNOWN PHthalate	13.50	3	J
2. 20170-32-5	3,5-DI-TERT-BUTYL-4-HYDROXY-P	14.03	2	JN
3.	UNKNOWN ACID	14.62	4	J
4. 57-11-4	OCTADECANOIC ACID	14.69	4	JN
5. 111-06-8	HEXADECANOIC ACID, BUTYL ESTER	14.78	47	JN
6. 123-95-5	OCTADECANOIC ACID, BUTYL ESTER	15.42	43	JN
7.	UNKNOWN	16.56	2	J
8.	UNKNOWN	18.38	2	J
9. 83-46-5	.BETA.-SITOSTEROL	18.67	8	JN
10.	UNKNOWN	18.84	4	J
11. 559-70-6	.BETA.AMYRIN	19.00	10	JN
12.	UNKNOWN	19.10	3	J
13. 638-95-9	.ALPHA.AMYRIN	19.28	12	JN
14.	UNKNOWN	19.36	7	J
15.	UNKNOWN	19.39	4	J
16.	UNKNOWN	19.60	5	J
17. 559-74-0	FRIEDELAN-3-ONE	20.14	10	JN

Delta Environmental Consultants, Inc.

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INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

SW-10

Contract: CN04-015

Lab Code: STLBFO

Case No.:

SAS No.:

SDG NO.: A05-C062

Matrix (soil/water): WATER

Lab Sample ID: AD562243

Level (low/med): LOW

Date Received: 10/26/2005

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7440-43-9	Cadmium	28.2			P
7440-70-2	Calcium	135000			P
7440-47-3	Chromium	37.1			P
7439-92-1	Lead	104			P
7439-95-4	Magnesium	20000			P
7440-02-0	Nickel	17.6	B		P
7440-66-6	Zinc	848			P

Color Before: COLORLESS

Clarity Before: CLEAR

Texture: NONE

Color After: COLORLESS

Clarity After: CLEAR

Artifacts:

Comments:

Delta Environmental Consultants, Inc.

-1-

INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

SW-11

Contract: CN04-015

Lab Code: STLBFL0

Case No.:

SAS No.:

SDG No.: A05-C062

Matrix (soil/water): WATER

Lab Sample ID: AD562244

Level (low/med): LOW

Date Received: 10/26/2005

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7440-43-9	Cadmium	83.9			P
7440-70-2	Calcium	341000			P
7440-47-3	Chromium	154			P
7439-92-1	Lead	675			P
7439-95-4	Magnesium	59100			P
7440-02-0	Nickel	83.2			P
7440-66-6	Zinc	3500			P

Color Before: BROWN

Clarity Before: CLOUDY

Texture: NONE

Color After: YELLOW

Clarity After: CLOUDY

Artifacts:

Comments:

Delta Environmental Consultants, Inc.

-1-

INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

SW-12

Contract: CN04-015

Lab Code: STLBFL0

Case No.: _____

SAS No.: _____

SDG No.: A05-C062

Matrix (soil/water): WATER

Lab Sample ID: AD562245

Level (low/med): LOW

Date Received: 10/26/2005

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7440-43-9	Cadmium	4.3	B		P
7440-70-2	Calcium	146000			P
7440-47-3	Chromium	0.78	B		P
7439-92-1	Lead	1.8	U		P
7439-95-4	Magnesium	24700			P
7440-02-0	Nickel	4.9	B		P
7440-66-6	Zinc	157			P

Color Before: COLORLESS

Clarity Before: CLEAR

Texture: NONE

Color After: COLORLESS

Clarity After: CLEAR

Artifacts: _____

Comments: _____

Delta Environmental Consultants, Inc.

-1-

INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

SW-13

Contract: CN04-015

Lab Code: STLBFL0

Case No.:

SAS No.:

SDG No.: A05-C062

Matrix (soil/water): WATER

Lab Sample ID: AD562246

Level (low/med): LOW

Date Received: 10/26/2005

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7440-43-9	Cadmium	1.4	B		P
7440-70-2	Calcium	88100			P
7440-47-3	Chromium	4.9	B		P
7439-92-1	Lead	6.4			P
7439-95-4	Magnesium	16100			P
7440-02-0	Nickel	5.2	B		P
7440-66-6	Zinc	50.0			P

Color Before: COLORLESS

Clarity Before: CLEAR

Texture: NONE

Color After: COLORLESS

Clarity After: CLEAR

Artifacts:

Comments:

Delta Environmental Consultants, Inc.

-I-

INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

SW-14

Contract: CND4-015

Lab Code: STLBFO

Case No.:

SAS No.:

SDG NO.: A05-C062

Matrix (soil/water): WATER

Lab Sample ID: AD562247

Level (low/med): LOW

Date Received: 10/26/2005

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7440-43-9	Cadmium	3.1	B		P
7440-70-2	Calcium	87400			P
7440-47-3	Chromium	11.1			P
7439-92-1	Lead	13.6			P
7439-95-4	Magnesium	16500			P
7440-02-0	Nickel	9.3	B		P
7440-66-6	Zinc	102			P

Color Before: COLORLESS

Clarity Before: CLEAR

Texture: NONE

Color After: COLORLESS

Clarity After: CLEAR

Artifacts:

Comments:

Delta Environmental Consultants, Inc.

-1-

INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

SW-15

Contract: CN04-015

Lab Code: STLBFL0

Case No.:

SAS No.:

SDG No.: A05-C062

Matrix (soil/water): WATER

Lab Sample ID: AD562248

Level (low/med): LOW

Date Received: 10/26/2005

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7440-43-9	Cadmium	0.42	B		P
7440-70-2	Calcium	141000			P
7440-47-3	Chromium	54.0			P
7439-92-1	Lead	6.2			P
7439-95-4	Magnesium	27200			P
7440-02-0	Nickel	30.1	B		P
7440-66-6	Zinc	44.9			P

Color Before: COLORLESS

Clarity Before: CLEAR

Texture: NONE

Color After: COLORLESS

Clarity After: CLEAR

Artifacts:

Comments:

Delta Environmental Consultants, Inc.

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INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

SW-16

Contract: CN04-015

Lab Code: STLBFLO

Case No.: _____

SAS No.: _____

SDG NO.: A05-C062

Matrix (soil/water): WATER

Lab Sample ID: AD562249

Level (low/med): LOW

Date Received: 10/26/2005

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7440-43-9	Cadmium	6.3			P
7440-70-2	Calcium	119000			P
7440-47-3	Chromium	332			P
7439-92-1	Lead	44.2			P
7439-95-4	Magnesium	39500			P
7440-02-0	Nickel	166			P
7440-66-6	Zinc	329			P

Color Before: BROWN

Clarity Before: CLOUDY

Texture: NONE

Color After: YELLOW

Clarity After: CLOUDY

Artifacts: _____

Comments: _____

Delta Environmental Consultants, Inc.

-1-

INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

SW-17

Contract: CN04-015

Lab Code: STLBFLO

Case No.:

SAS No.:

SDG NO.: A05-C062

Matrix (soil/water): WATER

Lab Sample ID: AD562250

Level (low/med): LOW

Date Received: 10/26/2005

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7440-43-9	Cadmium	10.7			P
7440-70-2	Calcium	82100			P
7440-47-3	Chromium	109			P
7439-92-1	Lead	51.0			P
7439-95-4	Magnesium	20400			P
7440-02-0	Nickel	71.2			P
7440-66-6	Zinc	353			P

Color Before: BROWN

Clarity Before: CLOUDY

Texture: NONE

Color After: YELLOW

Clarity After: CLOUDY

Artifacts:

Comments:

Delta Environmental Consultants, Inc.

-1-

INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

SW-18

Contract: CN04-015

Lab Code: STLBFL0

Case No.:

SAS No.:

SDG NO.: A05-C062

Matrix (soil/water): WATER

Lab Sample ID: AD562251

Level (low/med): LOW

Date Received: 10/26/2005

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7440-43-9	Cadmium	0.39	U		P
7440-70-2	Calcium	100000			P
7440-47-3	Chromium	7.1	B		P
7439-92-1	Lead	1.8	U		P
7439-95-4	Magnesium	21100			P
7440-02-0	Nickel	18.4	B		P
7440-66-6	Zinc	18.0	B		P

Color Before: COLORLESS

Clarity Before: CLEAR

Texture: NONE

Color After: COLORLESS

Clarity After: CLEAR

Artifacts:

Comments:

Delta Environmental Consultants, Inc.

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INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

SW-19

Contract: CN04-015

Lab Code: STLBFO

Case No.:

SAS No.:

SDG NO.: A05-C062

Matrix (soil/water): WATER

Lab Sample ID: AD562252

Level (low/med): LOW

Date Received: 10/26/2005

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7440-43-9	Cadmium	0.61	B		P
7440-70-2	Calcium	118000			P
7440-47-3	Chromium	7.6	B		P
7439-92-1	Lead	3.4			P
7439-95-4	Magnesium	24400			P
7440-02-0	Nickel	19.9	B		P
7440-66-6	Zinc	27.6			P

Color Before: COLORLESS

Clarity Before: CLEAR

Texture: NONE

Color After: COLORLESS

Clarity After: CLEAR

Artifacts:

Comments:

Delta Environmental Consultants, Inc.

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INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

SW-19A

Contract: CN04-015

Lab Code: STLEFLO

Case No.:

SAS No.:

SDG NO.: A05-C062

Matrix (soil/water): WATER

Lab Sample ID: AD562255

Level (low/med): LOW

Date Received: 10/26/2005

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7440-43-9	Cadmium	0.84	B		P
7440-70-2	Calcium	109000			P
7440-47-3	Chromium	7.5	B		P
7439-92-1	Lead	3.9			P
7439-95-4	Magnesium	22800			P
7440-02-0	Nickel	19.7	B		P
7440-66-6	Zinc	34.6			P

Color Before: COLORLESS

Clarity Before: CLEAR

Texture: NONE

Color After: COLORLESS

Clarity After: CLEAR

Artifacts:

Comments:

Wet Chemistry Analysis

113/1185

Client Sample No.

SW-10

Lab Name: STL Buffalo

Contract: _____

Lab Code: RECNY

Case No.: _____

SAS No.: _____

SDG No.: _____

Matrix (soil/water): WATERLab Sample ID: A5C06201% Solids: 0.0Date Samp/Recv: 10/25/2005 10/26/2005

Parameter Name	Units of Measure	Result	C	Q	M	Method Number	Analyzed Date
Total Recoverable Phenolics _____	MG/L	0.010	U			420.2	10/27/2005

Comments:

Wet Chemistry Analysis

114/1185

Client Sample No.

SW-11

Lab Name: STL Buffalo

Contract: _____

Lab Code: RECNY

Case No.: _____

SAS No.: _____

SDG No.: _____

Matrix (soil/water): WATERLab Sample ID: A5C06202% Solids: 0.0Date Samp/Recv: 10/25/2005 10/26/2005

Parameter Name	Units of Measure	Result	C	Q	M	Method Number	Analyzed Date
Total Recoverable Phenolics _____	MG/L	0.010	U			420.2	10/27/2005

Comments:

Wet Chemistry Analysis

115/1185

Client Sample No.

SW-12

Lab Name: STL Buffalo

Contract: _____

Lab Code: RECN

Case No.: _____

SAS No.: _____

SDG No.: _____

Matrix (soil/water): WATERLab Sample ID: A5C06203% Solids: 0.0Date Samp/Recv: 10/25/2005 10/26/2005

Parameter Name	Units of Measure	Result	C	Q	M	Method Number	Analyzed Date
Total Recoverable Phenolics _____	MG/L	0.010	U			420.2	10/27/2005

Comments:

Wet Chemistry Analysis

116/1185

Client Sample No.

SW-13

Lab Name: STL Buffalo

Contract: _____

Lab Code: RECNY

Case No.: _____

SAS No.: _____

SDG No.: _____

Matrix (soil/water): WATERLab Sample ID: A5C06204% Solids: 0.0Date Samp/Recv: 10/25/2005 10/26/2005

Parameter Name	Units of Measure	Result	C	Q	M	Method Number	Analyzed Date
Total Recoverable Phenolics _____	MG/L	0.010	U			420.2	10/27/2005

Comments:

Wet Chemistry Analysis

117/1185

Client Sample No.

SW-14

Lab Name: STL Buffalo

Contract: _____

Lab Code: RECNY

Case No.: _____

SAS No.: _____

SDG No.: _____

Matrix (soil/water): WATERLab Sample ID: A5C06205% Solids: 0.0Date Samp/Recv: 10/25/2005 10/26/2005

Parameter Name	Units of Measure	Result	C	Q	M	Method Number	Analyzed Date
Total Recoverable Phenolics _____	MG/L	0.010	U			420.2	10/27/2005

Comments:

Wet Chemistry Analysis

118/1185

Client Sample No.

SW-15

Lab Name: STL Buffalo

Contract: _____

Lab Code: RECNY

Case No.: _____

SAS No.: _____

SDG No.: _____

Matrix (soil/water): WATERLab Sample ID: A5C06206% Solids: 0.0Date Samp/Recv: 10/25/2005 10/26/2005

Parameter Name	Units of Measure	Result	C	Q	M	Method Number	Analyzed Date
Total Recoverable Phenolics _____	MG/L	0.010	U			420.2	10/27/2005

Comments:

Wet Chemistry Analysis

119/1185

Client Sample No.

SW-16

Lab Name: STL Buffalo

Contract: _____

Lab Code: RECNY

Case No.: _____

SAS No.: _____

SDG No.: _____

Matrix (soil/water): WATERLab Sample ID: A5C06207% Solids: 0.0Date Samp/Recv: 10/25/2005 10/26/2005

Parameter Name	Units of Measure	Result	C	Q	M	Method Number	Analyzed Date
Total Recoverable Phenolics	MG/L	0.010	U			420.2	10/27/2005

Comments:

Wet Chemistry Analysis

120/1185

Client Sample No.

SW-17

Lab Name: STL Buffalo

Contract: _____

Lab Code: RECNY

Case No.: _____

SAS No.: _____

SDG No.: _____

Matrix (soil/water): WATERLab Sample ID: A5C06208% Solids: 0.0Date Samp/Recv: 10/25/2005 10/26/2005

Parameter Name	Units of Measure	Result	C	Q	M	Method Number	Analyzed Date
Total Recoverable Phenolics	MG/L	0.010	U			420.2	10/27/2005

Comments:

Wet Chemistry Analysis

121/1185

Client Sample No.

SW-18

Lab Name: STL Buffalo

Contract: _____

Lab Code: RECNY

Case No.: _____

SAS No.: _____

SDG No.: _____

Matrix (soil/water): WATERLab Sample ID: A5C06209% Solids: 0.0Date Samp/Recv: 10/25/2005 10/26/2005

Parameter Name	Units of Measure	Result	C	Q	M	Method Number	Analyzed Date
Total Recoverable Phenolics	MG/L	0.010	U			420.2	10/27/2005

Comments:

Wet Chemistry Analysis

122/1185

Client Sample No.

SW-19

Lab Name: STL Buffalo

Contract: _____

Lab Code: RECNY

Case No.: _____

SAS No.: _____

SDG No.: _____

Matrix (soil/water): WATERLab Sample ID: A5C06210% Solids: 0.0Date Samp/Recv: 10/25/2005 10/26/2005

Parameter Name	Units of Measure	Result	C	Q	M	Method Number	Analyzed Date
Total Recoverable Phenolics	MG/L	0.010	U			420.2	10/27/2005

Comments:

Wet Chemistry Analysis

123/1185

Client Sample No.

SW-19A

Lab Name: STL Buffalo

Contract: _____

Lab Code: RECNY

Case No.: _____

SAS No.: _____

SDG No.: _____

Matrix (soil/water): WATERLab Sample ID: A5C06211% Solids: 0.0Date Samp/Recv: 10/25/2005 10/26/2005

Parameter Name	Units of Measure	Result	C	Q	M	Method Number	Analyzed Date
Total Recoverable Phenolics	MG/L	0.010	U			420.2	10/27/2005

Comments:

Chain Of Custody Documentation

Chain of Custody Record

**SEVERN
TRENT** **STL**
Severn Trent Laboratories, Inc.

STL-4124 (0901)

Client DELTA ENVIRONMENTAL		Project Manager MARK J SCHUMACHER		Date 10-25-05	Chain of Custody Number 214154
Address 104 JAMESVILLE RD		Telephone Number (Area Code)/Fax Number 315-445-0224 / 315-445-0793		Lab Number	Page 1 of 3

City SYRACUSE	State NY	Zip Code 13214	Site Contact SAUL	Lab Contact BRIAN FISCHER	Analysis (Attach list if more space is needed)
Project Name and Location (State) CORONA SYRACUSE, NY			Carrier/Waybill Number		Special Instructions/ Conditions of Receipt

Contract/Purchase Order/Quote No. 0310025P	Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Matrix				Containers & Preservatives								TOL 8260	8270 B.N.	7 METALS *	PHENOLS	T.O.C.	8082	TAL METALS	8270 F.W.					
				Air	Aqueous	Sed.	Soil	Unpres.	H2SO4	HNO3	HCl	NaOH	ZnAc	NaOH														
	SW-10	10-25-05	1500	X				2	1	1	2				X	X	X	X										
	SW-11		1430	X				2	1	1	2				X	X	X	X										
	SW-12		1400	X				2	1	1	2				X	X	X	X										
	SW-13		1330	X				2	1	1	2				X	X	X	X										
	SW-14		1300	X				2	1	1	2				X	X	X	X										
	SW-15		1145	X				2	1	1	2				X	X	X	X										
	SW-16		1115	X				2	1	1	2				X	X	X	X										
	SW-17		1045	X				2	1	1	2				X	X	X	X										
	SW-18		1015	X				2	1	1	2				X	X	X	X										
	SW-19		945	X				2	1	1	2				X	X	X	X										
	SW-19A		955	X				2	1	1	2				X	X	X	X										
	SW-19 MS		945	X				2	1	1	2				X	X	X	X										

Possible Hazard Identification	Sample Disposal	(A fee may be assessed if samples are retained longer than 1 month)
<input type="checkbox"/> Non-Hazard <input type="checkbox"/> Flammable <input type="checkbox"/> Skin Irritant <input type="checkbox"/> Poison B <input checked="" type="checkbox"/> Unknown	<input type="checkbox"/> Return To Client <input checked="" type="checkbox"/> Disposal By Lab <input type="checkbox"/> Archive For _____ Months	

Turn Around Time Required	QC Requirements (Specify)
<input type="checkbox"/> 24 Hours <input type="checkbox"/> 48 Hours <input type="checkbox"/> 7 Days <input type="checkbox"/> 14 Days <input checked="" type="checkbox"/> 21 Days <input type="checkbox"/> Other _____	ASP 2000 CAT B DELIVERABLES

1. Relinquished By R. English	Date 10-25-05	Time 1705	1. Received By R. English	Date 10/25/05	Time 1705
2. Relinquished By R. English	Date 10/25/05	Time 1800	2. Received By [Signature]	Date 10/25/05	Time 1800
3. Relinquished By	Date	Time	3. Received By	Date	Time

Comments: *** CADMIUM, CHROMIUM, LEAD, NICKEL, ZINC, MAGNESIUM, CALCIUM** TSC BY **LL OYD KAHN METHOD**
DISTRIBUTION: WHITE - Returned to Client with Report; CANARY - Stays with the Sample; PINK - Field Copy

167/1185

Chain of Custody Record

SEVERN
TRENT
STL

Severn Trent Laboratories, Inc.

STL-4124 (0901)

Client DELTA ENVIRONMENTAL		Project Manager MARK J SCHUMACHER		Date 10-25-05	Chain of Custody Number 214153
Address 104 JAMESVILLE RD		Telephone Number (Area Code)/Fax Number 315-445-0224 / 315-445-0793		Lab Number	Page 2 of 3

City SYRACUSE	State NY	Zip Code 13214	Site Contact SAM E	Lab Contact BRIAN FISCHER	Analysis (Attach list if more space is needed)	Special Instructions/ Conditions of Receipt
Project Name and Location (State) CONCRETE, SYRACUSE, NY			Carrier/Waybill Number			

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Matrix				Containers & Preservatives										Analysis	Special Instructions/ Conditions of Receipt								
			Air	Aqueous	Sed.	Soil	Unpres.	H2SO4	HNO3	HCl	NaOH	ZnAc2	NaOH													
SW-19 MSD	10-25-05	945	X				2	1	1	2							X	X	X	X						
SED-10		1500		X				3									X		X	X	X	X				
SED-11		1430		X				3									X		X	X	X	X				
SED-12		1400		X				3									X		X	X	X	X				
SED-13		1330		X				3									X		X	X	X	X				
SED-14		1300		X				3									X		X	X	X	X				
SED-15		1145		X				3									X		X	X	X	X				
SED-16		1115		X				3									X		X	X	X	X				
SED-17		1045		X				3									X		X	X	X	X				
SED-18		1015		X				3									X		X	X	X	X				
SED-19		1000		X				3									X		X	X	X	X				
SED-19A	V	1000		X				3									X		X	X	X	X				

Possible Hazard Identification	Sample Disposal	(A fee may be assessed if samples are retained longer than 1 month)
<input type="checkbox"/> Non-Hazard <input type="checkbox"/> Flammable <input type="checkbox"/> Skin Irritant <input type="checkbox"/> Poison B <input checked="" type="checkbox"/> Unknown	<input type="checkbox"/> Return To Client <input checked="" type="checkbox"/> Disposal By Lab <input type="checkbox"/> Archive For _____ Months	

Turn Around Time Required	QC Requirements (Specify)
<input type="checkbox"/> 24 Hours <input type="checkbox"/> 48 Hours <input type="checkbox"/> 7 Days <input type="checkbox"/> 14 Days <input checked="" type="checkbox"/> 21 Days <input type="checkbox"/> Other _____	ASD 2000 CAT B RELINQUISHABLE

1. Relinquished By 21882	Date 10-25-05	Time 1705	1. Received By R. ENGLISH, STL	Date 10/25/05	Time 1705
2. Relinquished By R. ENGLISH	Date 10/25/05	Time 1800	2. Received By JUNES	Date 10/25/05	Time 1800
3. Relinquished By	Date	Time	3. Received By	Date	Time

Comments
*** CADMIUM, CHROMIUM, LEAD, NICKEL, ZINC, MAGNESIUM, CALCIUM / TOC BY LLOYD KAHN WITHIN**

DISTRIBUTION: WHITE - Returned to Client with Report; CANARY - Stays with the Sample; PINK - Field Copy

1681185



1/3459

STL®

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Amherst, NY 14228Tel: 716 691 2600 Fax: 716 691 7991
www.stl-inc.com

ANALYTICAL REPORT

Job#: A05-C059, A05-C060

STL Project#: NY4A9341

SDG#: C059

Site Name: Delta Environmental Consultants, Inc.

Task: Cooper site

Mark Schumacher
Delta Environmental
104 Jamesville Rd.
Syracuse, NY 13214

STL Buffalo

for: Brian J. Fischer
Project Manager

11/23/2005

STL Buffalo

Current Certifications

STATE	Program	Cert # / Lab ID
Arkansas	SDWA, CWA, RCRA, SOIL	03-054-D/BB-0586
California	NELAP SDWA, CWA, RCRA	01169CA
Connecticut	SDWA, CWA, RCRA, SOIL	PH-0568
Florida	NELAP RCRA	E87672
Georgia	SDWA	956
Illinois	NELAP SDWA, CWA, RCRA	200003
Iowa	SW/CS	374
Kansas	NELAP SDWA, CWA, RCRA	E-10187
Kentucky	SDWA	90029
Kentucky UST	UST	30
Louisiana	NELAP CWA, RCRA	2031
Maine	SDWA, CWA	NY044
Maryland	SDWA	294
Massachusetts	SDWA, CWA	M-NY044
Michigan	SDWA	9937
Minnesota	CWA, RCRA	036-999-337
New Hampshire	NELAP SDWA, CWA	233701
New Jersey	SDWA, CWA, RCRA, CLP	NY455
New York	NELAP, AIR, SDWA, CWA, RCRA	10026
North Carolina	CWA	411
North Dakota	SDWA, CWA, RCRA	R-176
Oklahoma	CWA, RCRA	9421
Pennsylvania	Env. Lab Reg.	68-281
South Carolina	RCRA	91013
USDA	FOREIGN SOIL PERMIT	S-41579
Virginia	SDWA	278
Washington	CWA	C254
West Virginia	CWA	252
Wisconsin	CWA	998310390

Sample Data Summary Package

SAMPLE SUMMARY

LAB SAMPLE ID	CLIENT SAMPLE ID	MATRIX	SAMPLED		RECEIVED	
			DATE	TIME	DATE	TIME
A5C05911	SED-10	SOIL	10/25/2005	15:00	10/26/2005	10:00
A5C06001	SED-10	SOIL	10/25/2005	15:00	10/26/2005	10:00
A5C05912	SED-11	SOIL	10/25/2005	14:30	10/26/2005	10:00
A5C06002	SED-11	SOIL	10/25/2005	14:30	10/26/2005	10:00
A5C05913	SED-12	SOIL	10/25/2005	14:00	10/26/2005	10:00
A5C06003	SED-12	SOIL	10/25/2005	14:00	10/26/2005	10:00
A5C05914	SED-13	SOIL	10/25/2005	13:30	10/26/2005	10:00
A5C06004	SED-13	SOIL	10/25/2005	13:30	10/26/2005	10:00
A5C05915	SED-14	SOIL	10/25/2005	13:00	10/26/2005	10:00
A5C06005	SED-14	SOIL	10/25/2005	13:00	10/26/2005	10:00
A5C05916	SED-15	SOIL	10/25/2005	11:45	10/26/2005	10:00
A5C06006	SED-15	SOIL	10/25/2005	11:45	10/26/2005	10:00
A5C05917	SED-16	SOIL	10/25/2005	11:15	10/26/2005	10:00
A5C06007	SED-16	SOIL	10/25/2005	11:15	10/26/2005	10:00
A5C05918	SED-17	SOIL	10/25/2005	10:45	10/26/2005	10:00
A5C06008	SED-17	SOIL	10/25/2005	10:45	10/26/2005	10:00
A5C05919	SED-18	SOIL	10/25/2005	10:15	10/26/2005	10:00
A5C06009	SED-18	SOIL	10/25/2005	10:15	10/26/2005	10:00
A5C05922	SED-19	SOIL	10/25/2005	10:00	10/26/2005	10:00
A5C05922MS	SED-19	SOIL	10/25/2005	10:00	10/26/2005	10:00
A5C05922SD	SED-19	SOIL	10/25/2005	10:00	10/26/2005	10:00
A5C06010	SED-19	SOIL	10/25/2005	10:00	10/26/2005	10:00
A5C05920	SED-19A	SOIL	10/25/2005	10:00	10/26/2005	10:00
A5C06011	SED-19A	SOIL	10/25/2005	10:00	10/26/2005	10:00
A5C05901	TP-21	SOIL	10/24/2005	12:00	10/26/2005	10:00
A5C05902	TP-23	SOIL	10/24/2005	13:15	10/26/2005	10:00
A5C05903	TP-26	SOIL	10/24/2005	16:45	10/26/2005	10:00
A5C05905	TP-28	SOIL	10/25/2005	08:50	10/26/2005	10:00
A5C05907	TP-30	SOIL	10/25/2005	10:10	10/26/2005	10:00
A5C05906	TP-32	SOIL	10/25/2005	11:00	10/26/2005	10:00
A5C05908	TP-34	SOIL	10/25/2005	13:00	10/26/2005	10:00
A5C05909	TP-35	SOIL	10/25/2005	14:10	10/26/2005	10:00
A5C05904	TP-OW-2	SOIL	10/24/2005	15:40	10/26/2005	10:00
A5C05921	TRIP BLANK	WATER	10/25/2005		10/26/2005	10:00

METHODS SUMMARY

Job#: A05-C059,A05-C060STL Project#: NY4A9341SDG#: C059Site Name: Delta Environmental Consultants, Inc.

PARAMETER	ANALYTICAL METHOD	
DELTA - AQ - ASP 2000/8260 - TCL VOLATILES	ASP00	8260
DELTA - SOIL ASP 2000/8260 - TCL VOLATILES	ASP00	8260
ASP 2000- METHOD 8270 SEMIVOLATILES	ASP00	8270
DELTA - SOIL-ASP00 8082 - PCBS	ASP00	8082
Aluminum - Total	ASP00	6010
Antimony - Total	ASP00	6010
Arsenic - Total	ASP00	6010
Barium - Total	ASP00	6010
Beryllium - Total	ASP00	6010
Cadmium - Total	ASP00	6010
Calcium - Total	ASP00	6010
Chromium - Total	ASP00	6010
Cobalt - Total	ASP00	6010
Copper - Total	ASP00	6010
Iron - Total	ASP00	6010
Lead - Total	ASP00	6010
Magnesium - Total	ASP00	6010
Manganese - Total	ASP00	6010
Mercury - Total	ASP00	7471
Nickel - Total	ASP00	6010
Potassium - Total	ASP00	6010
Selenium - Total	ASP00	6010
Silver - Total	ASP00	6010
Sodium - Total	ASP00	6010
Thallium - Total	ASP00	6010
Vanadium - Total	ASP00	6010
Zinc - Total	ASP00	6010
Leachable pH	ASP00	9045
Total Organic Carbon	OTHER	KAHN

ASP00 "Analytical Services Protocol", New York State Department of Conservation,
June 2000.

OTHER Non-Standard Protocol and Method Defined by State, Client QAPP or
Developed by Laboratory

NON-CONFORMANCE SUMMARY

Job#: A05-C059, A05-C060STL Project#: NY4A9341SDG#: C059Site Name: Delta Environmental Consultants, Inc.General Comments

The enclosed data may or may not have been reported utilizing data qualifiers (Q) as defined on the Data Comment Page.

Soil, sediment and sludge sample results are reported on "dry weight" basis unless otherwise noted in this data package.

According to 40CFR Part 136.3, pH, Chlorine Residual, Dissolved Oxygen, Sulfite, and Temperature analyses are to be performed immediately after aqueous sample collection. When these parameters are not indicated as field (e.g. pH-Field), they were not analyzed immediately, but as soon as possible after laboratory receipt.

Sample dilutions were performed as indicated on the attached Dilution Log. The rationale for dilution is specified by the 3-digit code and definition.

Sample Receipt Comments

A05-C059

Sample Cooler(s) were received at the following temperature(s); 14@2.0 °C
All samples were received in good condition.

A05-C060

Sample Cooler(s) were received at the following temperature(s); 14@2.0 °C
All samples were received in good condition.

GC/MS Volatile Data

The analyte 1,2,4-Trichlorobenzene exceeded quality control limits for the Continuing Calibration <ASC0005975-1>. However, because the results are considered biased high and this analyte was non-detect in all the associated samples, no further corrective action was necessary.

All aqueous samples were preserved to a pH less than 2.

According to OLM04.2 and ASP SOW's the storage blank should be analyzed after all of the samples have been completed. The storage blank (VHB) was not analyzed after all of the samples were analyzed.

GC/MS Semivolatile Data

Sample TP-35, 8270 soil, had an adjusted final volume during extraction due to extract matrix and viscosity.

The analyte Bis(2-ethylhexyl) phthalate was detected in the Method Blank A5B1664902 at a level below the project established reporting limit. No corrective action is necessary for any values in Method Blanks that are below the requested reporting limits.

The internal standard recoveries for Chrysene-D12 and Perylene-D12 were below the method defined quality control limit in sample TP-26. The sample was re-analyzed at a higher dilution with compliant results. Both analyses were included in the results. No further corrective action was required.

The spike recovery for Pyrene was below the laboratory quality control limits in the Matrix Spike Duplicate SED-19. Since the Matrix Spike Blank A5B1664901 recoveries were compliant, no corrective action was required.

The relative percent difference between the Matrix Spike SED-40 and the Matrix Spike Duplicate SED-10 exceeded quality control criteria for Pyrene.

GC Extractable Data

For method 8082, many samples required dilution prior to analysis due to the heavy matrix present or high concentration of target analytes. The surrogates are diluted out of all sample extracts with a dilution factor of 10X or greater.

For method 8082, the recovery of surrogate Decachlorobiphenyl in samples SED-18 and SED-14 is outside of established quality control limits due to the sample matrix and dilution. The recovery of surrogate Tetrachloro-m-xylene is within quality control limits; no corrective action is required.

For method 8082, the recoveries and the relative percent difference for sample SED-19 Matrix Spike and the Matrix Spike duplicate are outside quality control limits for several compounds, though the Matrix Spike Blank recoveries are compliant, no action necessary.

Metals Data

The recovery of sample SED-19 Matrix Spike and Matrix Spike Duplicate exhibited results above the quality control limits for Chromium, Manganese, Mercury, and Zinc(MSD) and below the quality control limits for Antimony and Copper(MS). Sample matrix is suspect. The RPD of sample SED-19 Matrix Spike and Matrix Spike Duplicate exceeded quality control limits for Copper and Manganese. However, the LCS was acceptable.

The recovery of sample SED-19 Matrix Spike and Matrix Spike Duplicate exhibited results above the quality control limits for Lead. The sample result is more than four times greater than the spike added. The LCS is acceptable.

The relative percent difference between sample SED-19 Matrix Spike and the Matrix Spike Duplicate exceeded quality control criteria for Thallium, though all individual recoveries are compliant. No action required.

The recovery of sample TP-21 Post Spike exhibited results above the quality control limits for Arsenic, Beryllium, Chromium, and Copper and below the quality control limits for Zinc. The recovery of sample SED-19 Post Spike exhibited results below the quality control limits for Iron and Zinc. However, the LCS's are acceptable.

The RPD of sample SED-19 and the Matrix Duplicate exceeded quality control limits for Arsenic, Cadmium, Chromium, Calcium, Iron, Lead, Magnesium, Manganese, Nickel, Mercury and Zinc. However, the LCS was acceptable.

The Serial Dilution of sample TP-21 exceeded quality control limits for Nickel. However, the LCS was acceptable.

Wet Chemistry Data

Total Organic Carbon was subcontracted to STL Chicago. The complete subcontract report is included in this report as Appendix A. Comments pertaining to Total Organic Carbon may be found within the comment summary of the subcontract report.

The results presented in this report relate only to the analytical testing and condition of the sample at receipt. This report pertains to only those samples actually tested. All pages of this report are integral parts of the analytical data. Therefore, this report should be reproduced only in its entirety.

"I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hardcopy data package and in the computer-readable data submitted on floppy diskette has been authorized by the Laboratory Manager or his designee, as verified by the following signature."

Brian J. Fischer
for Brian J. Fischer
Project Manager

11/25/05
Date

Date: 11/23/2005
Time: 10:08:14

Dilution Log w/Code Information
For Project NY4A9341, SDG C059

9/3459
Page: 1
Rept: AN1266R

Client Sample ID	Lab Sample ID	Parameter (Inorganic)/Method (Organic)	Dilution	Code
TP-21	A5C05901	Zinc - Total	50.00	008
TP-21 DL	A5C05901DL	8270	10.00	008
TP-23	A5C05902	Zinc - Total	10.00	008
TP-26	A5C05903	Copper - Total	10.00	008
TP-26	A5C05903	Zinc - Total	10.00	008
TP-26 DL	A5C05903DL	8270	20.00	002
TP-28 DL	A5C05905DL	8270	5.00	008
TP-32	A5C05906	8270	50.00	002
SED-10	A5C05911	8270	4.00	008
SED-10	A5C05911	Zinc - Total	5.00	008
SED-11	A5C05912	8270	10.00	002
SED-12	A5C05913	8082	5.00	008
SED-12	A5C05913	8270	5.00	008
SED-12	A5C05913	Zinc - Total	5.00	008
SED-13	A5C05914	8270	10.00	002
SED-14	A5C05915	8082	4.00	008
SED-14	A5C05915	8270	10.00	002
SED-15	A5C05916	8082	50.00	008
SED-15	A5C05916	8270	10.00	002
SED-16	A5C05917	8082	50.00	008
SED-16	A5C05917	8270	10.00	002
SED-17	A5C05918	8082	10.00	008
SED-17	A5C05918	8270	4.00	012
SED-18	A5C05919	8082	4.00	008
SED-18	A5C05919	8270	4.00	012
SED-19A	A5C05920	8270	4.00	012
SED-19	A5C05922	8270	10.00	002
SED-19	A5C05922MS	8270	10.00	002
SED-19	A5C05922SD	8270	10.00	002

Dilution Code Definition:

- 002 - sample matrix effects
- 003 - excessive foaming
- 004 - high levels of non-target compounds
- 005 - sample matrix resulted in method non-compliance for an Internal Standard
- 006 - sample matrix resulted in method non-compliance for Surrogate
- 007 - nature of the TCLP matrix
- 008 - high concentration of target analyte(s)
- 009 - sample turbidity
- 010 - sample color
- 011 - insufficient volume for lower dilution
- 012 - sample viscosity
- 013 - other

NEW YORK STATE
DEPARTMENT OF ENVIRONMENTAL CONSERVATION

SAMPLE IDENTIFICATION
AND
ANALYTICAL REQUEST SUMMARY

LAB NAME: SEVERN TRENT LABORATORIES, INC.

CUSTOMER SAMPLE ID	LABORATORY SAMPLE ID	ANALYTICAL REQUIREMENTS						
		VOA GC/MS	BNA GC/MS	VOA GC	PEST PCB	METALS	TCLP HERB	WATER QUALITY
SED-10	A5C05911	ASP00	ASP00	-	ASP00	ASP00	-	ASP00
SED-11	A5C05912	ASP00	ASP00	-	ASP00	ASP00	-	ASP00
SED-12	A5C05913	ASP00	ASP00	-	ASP00	ASP00	-	ASP00
SED-13	A5C05914	ASP00	ASP00	-	ASP00	ASP00	-	ASP00
SED-14	A5C05915	ASP00	ASP00	-	ASP00	ASP00	-	ASP00
SED-15	A5C05916	ASP00	ASP00	-	ASP00	ASP00	-	ASP00
SED-16	A5C05917	ASP00	ASP00	-	ASP00	ASP00	-	ASP00
SED-17	A5C05918	ASP00	ASP00	-	ASP00	ASP00	-	ASP00
SED-18	A5C05919	ASP00	ASP00	-	ASP00	ASP00	-	ASP00
SED-19	A5C05922	ASP00	ASP00	-	ASP00	ASP00	-	ASP00
SED-19A	A5C05920	ASP00	ASP00	-	ASP00	ASP00	-	ASP00
TP-21	A5C05901	ASP00	ASP00	-	-	ASP00	-	ASP00
TP-23	A5C05902	ASP00	ASP00	-	-	ASP00	-	ASP00
TP-26	A5C05903	ASP00	ASP00	-	-	ASP00	-	ASP00
TP-28	A5C05905	ASP00	ASP00	-	-	ASP00	-	ASP00
TP-30	A5C05907	ASP00	ASP00	-	-	ASP00	-	ASP00
TP-32	A5C05906	ASP00	ASP00	-	-	ASP00	-	ASP00
TP-34	A5C05908	ASP00	ASP00	-	-	ASP00	-	ASP00
TP-35	A5C05909	ASP00	ASP00	-	-	ASP00	-	ASP00
TP-OW-2	A5C05904	ASP00	ASP00	-	-	ASP00	-	ASP00

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SAMPLE PREPARATION AND ANALYSIS SUMMARY
VOLATILE ANALYSIS

LAB NAME: SEVERN TRENT LABORATORIES, INC.

SAMPLE IDENTIFICATION	MATRIX	DATE COLLECTED	DATE RECEIVED AT LAB	DATE EXTRACTED	DATE ANALYZED
SED-10	SOIL	10/25/2005	10/26/2005	-	11/05/2005
SED-11	SOIL	10/25/2005	10/26/2005	-	11/05/2005
SED-12	SOIL	10/25/2005	10/26/2005	-	11/05/2005
SED-13	SOIL	10/25/2005	10/26/2005	-	11/05/2005
SED-14	SOIL	10/25/2005	10/26/2005	-	11/05/2005
SED-15	SOIL	10/25/2005	10/26/2005	-	11/05/2005
SED-16	SOIL	10/25/2005	10/26/2005	-	11/05/2005
SED-17	SOIL	10/25/2005	10/26/2005	-	11/05/2005
SED-18	SOIL	10/25/2005	10/26/2005	-	11/05/2005
SED-19	SOIL	10/25/2005	10/26/2005	-	11/05/2005
SED-19A	SOIL	10/25/2005	10/26/2005	-	11/05/2005
TP-21	SOIL	10/24/2005	10/26/2005	-	11/05/2005
TP-23	SOIL	10/24/2005	10/26/2005	-	11/05/2005
TP-26	SOIL	10/24/2005	10/26/2005	-	11/05/2005
TP-28	SOIL	10/25/2005	10/26/2005	-	11/05/2005
TP-30	SOIL	10/25/2005	10/26/2005	-	11/01/2005
TP-32	SOIL	10/25/2005	10/26/2005	-	11/05/2005
TP-34	SOIL	10/25/2005	10/26/2005	-	11/05/2005
TP-35	SOIL	10/25/2005	10/26/2005	-	11/01/2005
TP-OW-2	SOIL	10/24/2005	10/26/2005	-	11/05/2005

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SAMPLE PREPARATION AND ANALYSIS SUMMARY
B/N-A ANALYSIS

LAB NAME: SEVERN TRENT LABORATORIES, INC.

SAMPLE IDENTIFICATION	MATRIX	DATE COLLECTED	DATE RECEIVED AT LAB	DATE EXTRACTED	DATE ANALYZED
SED-10	SOIL	10/25/2005	10/26/2005	10/27/2005	11/03/2005
SED-11	SOIL	10/25/2005	10/26/2005	10/27/2005	11/03/2005
SED-12	SOIL	10/25/2005	10/26/2005	10/27/2005	11/03/2005
SED-13	SOIL	10/25/2005	10/26/2005	10/27/2005	11/03/2005
SED-14	SOIL	10/25/2005	10/26/2005	10/27/2005	11/03/2005
SED-15	SOIL	10/25/2005	10/26/2005	10/27/2005	11/03/2005
SED-16	SOIL	10/25/2005	10/26/2005	10/27/2005	11/03/2005
SED-17	SOIL	10/25/2005	10/26/2005	10/27/2005	11/09/2005
SED-18	SOIL	10/25/2005	10/26/2005	10/27/2005	11/09/2005
SED-19	SOIL	10/25/2005	10/26/2005	10/27/2005	11/03/2005
SED-19A	SOIL	10/25/2005	10/26/2005	10/27/2005	11/09/2005
TP-21	SOIL	10/24/2005	10/26/2005	10/27/2005	11/02/2005
TP-21 DL	SOIL	10/24/2005	10/26/2005	10/27/2005	11/03/2005
TP-23	SOIL	10/24/2005	10/26/2005	10/27/2005	11/02/2005
TP-26	SOIL	10/24/2005	10/26/2005	10/27/2005	11/02/2005
TP-26 DL	SOIL	10/24/2005	10/26/2005	10/27/2005	11/03/2005
TP-26 RI	SOIL	10/24/2005	10/26/2005	10/27/2005	11/03/2005
TP-28	SOIL	10/25/2005	10/26/2005	10/27/2005	11/02/2005
TP-28 DL	SOIL	10/25/2005	10/26/2005	10/27/2005	11/03/2005
TP-30	SOIL	10/25/2005	10/26/2005	10/27/2005	11/02/2005
TP-32	SOIL	10/25/2005	10/26/2005	10/27/2005	11/03/2005
TP-34	SOIL	10/25/2005	10/26/2005	10/27/2005	11/02/2005
TP-35	SOIL	10/25/2005	10/26/2005	10/27/2005	11/02/2005
TP-OW-2	SOIL	10/24/2005	10/26/2005	10/27/2005	11/02/2005

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SAMPLE PREPARATION AND ANALYSIS SUMMARY
PESTICIDE/PCB ANALYSIS

LAB NAME: SEVERN TRENT LABORATORIES, INC.

SAMPLE IDENTIFICATION	MATRIX	DATE COLLECTED	DATE RECEIVED AT LAB	DATE EXTRACTED	DATE ANALYZED
SED-10	SOIL	10/25/2005	10/26/2005	10/27/2005	10/28/2005
SED-11	SOIL	10/25/2005	10/26/2005	10/27/2005	10/28/2005
SED-12	SOIL	10/25/2005	10/26/2005	10/27/2005	10/28/2005
SED-13	SOIL	10/25/2005	10/26/2005	10/27/2005	10/28/2005
SED-14	SOIL	10/25/2005	10/26/2005	10/27/2005	10/28/2005
SED-15	SOIL	10/25/2005	10/26/2005	10/27/2005	10/28/2005
SED-16	SOIL	10/25/2005	10/26/2005	10/27/2005	10/28/2005
SED-17	SOIL	10/25/2005	10/26/2005	10/27/2005	10/28/2005
SED-18	SOIL	10/25/2005	10/26/2005	10/27/2005	10/28/2005
SED-19	SOIL	10/25/2005	10/26/2005	10/27/2005	10/28/2005
SED-19A	SOIL	10/25/2005	10/26/2005	10/27/2005	10/28/2005

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NEW YORK STATE
DEPARTMENT OF ENVIRONMENTAL CONSERVATION

SAMPLE PREPARATION AND ANALYTICAL SUMMARY
INORGANIC ANALYSIS

LAB NAME: SEVERN TRENT LABORATORIES, INC.

SAMPLE IDENTIFICATION	MATRIX	METALS REQUESTED	DATE RECEIVED AT LAB	DATE DIGESTED	DATE ANALYZED
SED-10	SOIL	tal met	10/26/2005	11/03/2005, 11/14/2005	11/03/2005- 11/14/2005
SED-11	SOIL	tal met	10/26/2005	11/03/2005, 11/14/2005	11/03/2005, 11/14/2005
SED-12	SOIL	tal met	10/26/2005	11/03/2005- 11/14/2005	11/03/2005- 11/14/2005
SED-13	SOIL	tal met	10/26/2005	11/03/2005, 11/14/2005	11/03/2005, 11/14/2005
SED-14	SOIL	tal met	10/26/2005	11/03/2005, 11/14/2005	11/03/2005, 11/14/2005
SED-15	SOIL	tal met	10/26/2005	11/03/2005, 11/14/2005	11/03/2005, 11/14/2005
SED-16	SOIL	tal met	10/26/2005	11/03/2005, 11/14/2005	11/03/2005, 11/14/2005
SED-17	SOIL	tal met	10/26/2005	11/03/2005, 11/14/2005	11/03/2005, 11/14/2005
SED-18	SOIL	tal met	10/26/2005	11/03/2005, 11/14/2005	11/03/2005, 11/14/2005
SED-19	SOIL	tal met	10/26/2005	11/03/2005, 11/14/2005	11/03/2005, 11/14/2005
SED-19A	SOIL	tal met	10/26/2005	11/03/2005, 11/14/2005	11/03/2005, 11/14/2005
TP-21	SOIL	9 metal	10/26/2005	11/01/2005, 11/14/2005	11/01/2005- 11/14/2005
TP-23	SOIL	9 metal	10/26/2005	11/01/2005, 11/14/2005	11/01/2005- 11/14/2005
TP-26	SOIL	9 metal	10/26/2005	11/01/2005, 11/14/2005	11/01/2005- 11/14/2005

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SAMPLE PREPARATION AND ANALYTICAL SUMMARY
INORGANIC ANALYSIS

TP-28	SOIL	9 metal	10/26/2005	11/01/2005, 11/14/2005	11/01/2005, 11/14/2005
TP-30	SOIL	9 metal	10/26/2005	11/01/2005, 11/14/2005	11/01/2005, 11/14/2005
TP-32	SOIL	9 metal	10/26/2005	11/01/2005, 11/14/2005	11/01/2005, 11/14/2005
TP-34	SOIL	9 metal	10/26/2005	11/01/2005, 11/14/2005	11/01/2005, 11/14/2005
TP-35	SOIL	9 metal	10/26/2005	11/01/2005, 11/14/2005	11/01/2005, 11/14/2005
TP-OW-2	SOIL	9 metal	10/26/2005	11/01/2005, 11/14/2005	11/01/2005, 11/14/2005

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NEW YORK STATE
DEPARTMENT OF ENVIRONMENTAL CONSERVATION

SAMPLE PREPARATION AND ANALYSIS SUMMARY
ORGANIC ANALYSIS

LAB NAME: SEVERN TRENT LABORATORIES, INC.

SAMPLE IDENTIFICATION	MATRIX	ANALYTICAL PROTOCOL	EXTRACTION METHOD	AUXILIARY CLEAN UP	DIL/CONC FACTOR
SED-10	SOIL	ASP00	SONC	AS REQUIRED	AS REQUIRED
SED-11	SOIL	ASP00	SONC	AS REQUIRED	AS REQUIRED
SED-12	SOIL	ASP00	SONC	AS REQUIRED	AS REQUIRED
SED-13	SOIL	ASP00	SONC	AS REQUIRED	AS REQUIRED
SED-14	SOIL	ASP00	SONC	AS REQUIRED	AS REQUIRED
SED-15	SOIL	ASP00	SONC	AS REQUIRED	AS REQUIRED
SED-16	SOIL	ASP00	SONC	AS REQUIRED	AS REQUIRED
SED-17	SOIL	ASP00	SONC	AS REQUIRED	AS REQUIRED
SED-18	SOIL	ASP00	SONC	AS REQUIRED	AS REQUIRED
SED-19	SOIL	ASP00	SONC	AS REQUIRED	AS REQUIRED
SED-19A	SOIL	ASP00	SONC	AS REQUIRED	AS REQUIRED
TP-21	SOIL	ASP00	SONC	AS REQUIRED	AS REQUIRED
TP-21 DL	SOIL	ASP00	SONC	AS REQUIRED	AS REQUIRED
TP-23	SOIL	ASP00	SONC	AS REQUIRED	AS REQUIRED
TP-26	SOIL	ASP00	SONC	AS REQUIRED	AS REQUIRED
TP-26 DL	SOIL	ASP00	SONC	AS REQUIRED	AS REQUIRED
TP-26 RI	SOIL	ASP00	SONC	AS REQUIRED	AS REQUIRED
TP-28	SOIL	ASP00	SONC	AS REQUIRED	AS REQUIRED
TP-28 DL	SOIL	ASP00	SONC	AS REQUIRED	AS REQUIRED
TP-30	SOIL	ASP00	SONC	AS REQUIRED	AS REQUIRED
TP-32	SOIL	ASP00	SONC	AS REQUIRED	AS REQUIRED
TP-34	SOIL	ASP00	SONC	AS REQUIRED	AS REQUIRED
TP-35	SOIL	ASP00	SONC	AS REQUIRED	AS REQUIRED
TP-OW-2	SOIL	ASP00	SONC	AS REQUIRED	AS REQUIRED

NEW YORK STATE
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SAMPLE PREPARATION AND ANALYSIS SUMMARY
INORGANIC ANALYSIS

LAB NAME: SEVERN TRENT LABORATORIES, INC.

LABORATORY SAMPLE CODE	MATRIX	ANALYTICAL PROTOCOL	DIGESTION PROCEDURE	MATRIX MODIFIER	DIL/CONC FACTOR
SED-10	SOIL	ASP00	ASP00	AS REQUIRED	AS REQUIRED
SED-11	SOIL	ASP00	ASP00	AS REQUIRED	AS REQUIRED
SED-12	SOIL	ASP00	ASP00	AS REQUIRED	AS REQUIRED
SED-13	SOIL	ASP00	ASP00	AS REQUIRED	AS REQUIRED
SED-14	SOIL	ASP00	ASP00	AS REQUIRED	AS REQUIRED
SED-15	SOIL	ASP00	ASP00	AS REQUIRED	AS REQUIRED
SED-16	SOIL	ASP00	ASP00	AS REQUIRED	AS REQUIRED
SED-17	SOIL	ASP00	ASP00	AS REQUIRED	AS REQUIRED
SED-18	SOIL	ASP00	ASP00	AS REQUIRED	AS REQUIRED
SED-19	SOIL	ASP00	ASP00	AS REQUIRED	AS REQUIRED
SED-19A	SOIL	ASP00	ASP00	AS REQUIRED	AS REQUIRED
TP-21	SOIL	ASP00	ASP00	AS REQUIRED	AS REQUIRED
TP-23	SOIL	ASP00	ASP00	AS REQUIRED	AS REQUIRED
TP-26	SOIL	ASP00	ASP00	AS REQUIRED	AS REQUIRED
TP-28	SOIL	ASP00	ASP00	AS REQUIRED	AS REQUIRED
TP-30	SOIL	ASP00	ASP00	AS REQUIRED	AS REQUIRED
TP-32	SOIL	ASP00	ASP00	AS REQUIRED	AS REQUIRED
TP-34	SOIL	ASP00	ASP00	AS REQUIRED	AS REQUIRED
TP-35	SOIL	ASP00	ASP00	AS REQUIRED	AS REQUIRED
TP-OW-2	SOIL	ASP00	ASP00	AS REQUIRED	AS REQUIRED

Alkane Types	Type 1	Unknown Straight Chain Alkane
	Type 2	Unknown Branched Alkane
	Type 3	Unknown Cyclic Alkane
	Type 4	Unknown Alkane

Alkane Types	Type 1	Unknown Straight Chain Alkane
	Type 2	Unknown Branched Alkane
	Type 3	Unknown Cyclic Alkane
	Type 4	Unknown Alkane

Alkane Types	Type 1	Unknown Straight Chain Alkane
	Type 2	Unknown Branched Alkane
	Type 3	Unknown Cyclic Alkane
	Type 4	Unknown Alkane

Alkane Types	Type 1	Unknown Straight Chain Alkane
	Type 2	Unknown Branched Alkane
	Type 3	Unknown Cyclic Alkane
	Type 4	Unknown Alkane

Alkane Types	Type 1	Unknown Straight Chain Alkane
	Type 2	Unknown Branched Alkane
	Type 3	Unknown Cyclic Alkane
	Type 4	Unknown Alkane

Alkane Types	Type 1	Unknown Straight Chain Alkane
	Type 2	Unknown Branched Alkane
	Type 3	Unknown Cyclic Alkane
	Type 4	Unknown Alkane

Alkane Types	Type 1	Unknown Straight Chain Alkane
	Type 2	Unknown Branched Alkane
	Type 3	Unknown Cyclic Alkane
	Type 4	Unknown Alkane

Iteration	Mean	Std. Dev.	Min.	Max.	Skewness	Kurtosis
1	1000	1	1000	1000	0	0
2	1000	1	1000	1000	0	0
3	1000	1	1000	1000	0	0
4	1000	1	1000	1000	0	0
5	1000	1	1000	1000	0	0
6	1000	1	1000	1000	0	0
7	1000	1	1000	1000	0	0
8	1000	1	1000	1000	0	0
9	1000	1	1000	1000	0	0
10	1000	1	1000	1000	0	0
11	1000	1	1000	1000	0	0
12	1000	1	1000	1000	0	0
13	1000	1	1000	1000	0	0
14	1000	1	1000	1000	0	0
15	1000	1	1000	1000	0	0
16	1000	1	1000	1000	0	0
17	1000	1	1000	1000	0	0
18	1000	1	1000	1000	0	0
19	1000	1	1000	1000	0	0
20	1000	1	1000	1000	0	0
21	1000	1	1000	1000	0	0
22	1000	1	1000	1000	0	0
23	1000	1	1000	1000	0	0
24	1000	1	1000	1000	0	0
25	1000	1	1000	1000	0	0
26	1000	1	1000	1000	0	0
27	1000	1	1000	1000	0	0
28	1000	1	1000	1000	0	0
29	1000	1	1000	1000	0	0
30	1000	1	1000	1000	0	0
31	1000	1	1000	1000	0	0
32	1000	1	1000	1000	0	0
33	1000	1	1000	1000	0	0
34	1000	1	1000	1000	0	0
35	1000	1	1000	1000	0	0
36	1000	1	1000	1000	0	0
37	1000	1	1000	1000	0	0
38	1000	1	1000	1000	0	0
39	1000	1	1000	1000	0	0
40	1000	1	1000	1000	0	0
41	1000	1	1000	1000	0	0
42	1000	1	1000	1000	0	0
43	1000	1	1000	1000	0	0
44	1000	1	1000	1000	0	0
45	1000	1	1000	1000	0	0
46	1000	1	1000	1000	0	0
47	1000	1	1000	1000	0	0
48	1000	1	1000	1000	0	0
49	1000	1	1000	1000	0	0
50	1000	1	1000	1000	0	0
51	1000	1	1000	1000	0	0
52	1000	1	1000	1000	0	0
53	1000	1	1000	1000	0	0
54	1000	1	1000	1000	0	0
55	1000	1	1000	1000	0	0
56	1000	1	1000	1000	0	0
57	1000	1	1000	1000	0	0
58	1000	1	1000	1000	0	0
59	1000	1	1000	1000	0	0
60	1000	1	1000	1000	0	0
61	1000	1	1000	1000	0	0

Alkane Types	Type 1	Unknown Straight Chain Alkane
	Type 2	Unknown Branched Alkane
	Type 3	Unknown Cyclic Alkane
	Type 4	Unknown Alkane

Alkane Types	Type 1	Unknown Straight Chain Alkane
	Type 2	Unknown Branched Alkane
	Type 3	Unknown Cyclic Alkane
	Type 4	Unknown Alkane

1000
1
0.9205

Alkane Types	Type 1	Unknown Straight Chain Alkane
	Type 2	Unknown Branched Alkane
	Type 3	Unknown Cyclic Alkane
	Type 4	Unknown Alkane

Job:	A05-C059	SDG/Case	C059
File ID	V12283	Lab ID	A5C05908
Date	11/2/2205	Client ID	TP-34
Initial weight (g)	30.4600	Injection Volume (uL)	2.00
Final Volume (mL)	1	Dry Weight (%)	78.75
Dilution Factor	1.00	GPC	N

1000	1	0.7875
------	---	--------

[illegible]

Alkane Types

Type 1

Type 2

Type 3

Type 4

Unknown Straight Chain Alkane

Unknown Branched Alkane

Unknown Cyclic Alkane

Unknown Alkane

Alkane Types	Type 1	Unknown Straight Chain Alkane
	Type 2	Unknown Branched Alkane
	Type 3	Unknown Cyclic Alkane
	Type 4	Unknown Alkane



DATA QUALIFIER PAGE

These definitions are provided in the event the data in this report requires the use of one or more of the qualifiers. Not all qualifiers defined below are necessarily used in the accompanying data package.

ORGANIC DATA QUALIFIERS

ND or U Indicates compound was analyzed for, but not detected.

- J Indicates an estimated value. This flag is used either when estimating a concentration for tentatively identified compounds where a 1:1 response is assumed, or when the data indicates the presence of a compound that meets the identification criteria but the result is less than the sample quantitation limit but greater than zero.
- C This flag applies to pesticide results where the identification has been confirmed by GC/MS.
- B This flag is used when the analyte is found in the associated blank, as well as in the sample.
- E This flag identifies compounds whose concentrations exceed the calibration range of the instrument for that specific analysis.
- D This flag identifies all compounds identified in an analysis at the secondary dilution factor.
- N Indicates presumptive evidence of a compound. This flag is used only for tentatively identified compounds, where the identification is based on the Mass Spectral library search. It is applied to all TIC results.
- P This flag is used for CLP methodology only. For Pesticide/Aroclor target analytes, when a difference for detected concentrations between the two GC columns is greater than 25%, the lower of the two values is reported on the data page and flagged with a "P".
- A This flag indicates that a TIC is a suspected aldol-condensation product.
- ! Indicates coelution.
- * Indicates analysis is not within the quality control limits.

INORGANIC DATA QUALIFIERS

- ND or U Indicates element was analyzed for, but not detected. Report with the detection limit value.
- J or B Indicates a value greater than or equal to the instrument detection limit, but less than the quantitation limit.
- N Indicates spike sample recovery is not within the quality control limits.
- S Indicates value determined by the Method of Standard Addition.
- E Indicates a value estimated or not reported due to the presence of interferences.
- H Indicates analytical holding time exceedance. The value obtained should be considered an estimate.
- * Indicates the spike or duplicate analysis is not within the quality control limits.
- + Indicates the correlation coefficient for the Method of Standard Addition is less than 0.995.

Lab Name: STL Buffalo

Contract: _____

SED-10

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: C059Matrix: (soil/water) SOILLab Sample ID: A5C05911Sample wt/vol: 5.17 (g/mL) GLab File ID: Q8697.RRLevel: (low/med) LOWDate Samp/Recv: 10/25/2005 10/26/2005% Moisture: not dec. 11 Heated Purge: YDate Analyzed: 11/05/2005GC Column: DB-624 ID: 0.25 (mm)Dilution Factor: 1.00

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

CAS NO.

COMPOUND

(ug/L or ug/Kg)

UG/KG

Q

74-87-3-----	Chloromethane	11	U
74-83-9-----	Bromomethane	11	U
75-01-4-----	Vinyl chloride	11	U
75-00-3-----	Chloroethane	11	U
75-09-2-----	Methylene chloride	11	U
67-64-1-----	Acetone	11	U
75-15-0-----	Carbon Disulfide	11	U
75-35-4-----	1,1-Dichloroethene	11	U
75-34-3-----	1,1-Dichloroethane	11	U
67-66-3-----	Chloroform	11	U
107-06-2-----	1,2-Dichloroethane	11	U
78-93-3-----	2-Butanone	11	U
71-55-6-----	1,1,1-Trichloroethane	11	U
56-23-5-----	Carbon Tetrachloride	11	U
75-27-4-----	Bromodichloromethane	11	U
78-87-5-----	1,2-Dichloropropane	11	U
10061-01-5----	cis-1,3-Dichloropropene	11	U
79-01-6-----	Trichloroethene	11	U
124-48-1-----	Dibromochloromethane	11	U
79-00-5-----	1,1,2-Trichloroethane	11	U
71-43-2-----	Benzene	11	U
10061-02-6----	trans-1,3-Dichloropropene	11	U
75-25-2-----	Bromoform	11	U
108-10-1-----	4-Methyl-2-pentanone	11	U
591-78-6-----	2-Hexanone	11	U
127-18-4-----	Tetrachloroethene	11	U
108-88-3-----	Toluene	11	U
79-34-5-----	1,1,2,2-Tetrachloroethane	11	U
108-90-7-----	Chlorobenzene	11	U
100-41-4-----	Ethylbenzene	11	U
100-42-5-----	Styrene	11	U
1330-20-7-----	Total Xylenes	11	U
76-13-1-----	1,1,2-Trichloro-1,2,2-trifluoroethane	11	U
156-59-2-----	cis-1,2-Dichloroethene	11	U

DELTA - SOIL ASP 2000/8260 - TCL VOLATILES
ANALYSIS DATA SHEET

32/3459

Client No.

SED-10

Lab Name: STL Buffalo

Contract: _____

Lab Code: RECONY

Case No.: _____

SAS No.: _____

SDG No.: C059

Matrix: (soil/water) SOIL

Lab Sample ID: A5C05911

Sample wt/vol: 5.17 (g/mL) G

Lab File ID: Q8697.RR

Level: (low/med) LOW

Date Samp/Recv: 10/25/2005 10/26/2005

% Moisture: not dec. 11 Heated Purge: Y

Date Analyzed: 11/05/2005

GC Column: DB-624 ID: 0.25 (mm)

Dilution Factor: 1.00

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS:	
		(ug/L or ug/Kg)	UG/KG Q
156-60-5-----	trans-1,2-Dichloroethene	11	U
75-71-8-----	Dichlorodifluoromethane	11	U
75-69-4-----	Trichlorofluoromethane	11	U
79-20-9-----	Methyl acetate	11	U
1634-04-4-----	Methyl-t-Butyl Ether (MTBE)	11	U
110-82-7-----	Cyclohexane	11	U
108-87-2-----	Methylcyclohexane	11	U
106-93-4-----	1,2-Dibromoethane	11	U
98-82-8-----	Isopropylbenzene	11	U
541-73-1-----	1,3-Dichlorobenzene	11	U
106-46-7-----	1,4-Dichlorobenzene	11	U
95-50-1-----	1,2-Dichlorobenzene	11	U
96-12-8-----	1,2-Dibromo-3-chloropropane	11	U
120-82-1-----	1,2,4-Trichlorobenzene	11	U

SED-10

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: C059

Matrix: (soil/water) SOIL Lab Sample ID: A5C05911

Sample wt/vol: 5.17 (g/mL) G Lab File ID: Q8697.RR

Level: (low/med) LOW Date Samp/Recv: 10/25/2005 10/26/2005

% Moisture: not dec. 11.0 Date Analyzed: 11/05/2005

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

Number TICs found: 1 CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

CAS NO.	Compound Name	RT	Est. Conc.	Q
1. 110-54-3	HEXANE	4.02	6	JN

DELTA - SOIL ASP 2000/8260 - TCL VOLATILES
ANALYSIS DATA SHEET

34/3459

Client No.

SED-11

Lab Name: STL Buffalo

Contract: _____

Lab Code: RECNY

Case No.: _____

SAS No.: _____

SDG No.: C059

Matrix: (soil/water) SOIL

Lab Sample ID: A5C05912

Sample wt/vol: 5.10 (g/mL) G

Lab File ID: Q8698.RR

Level: (low/med) LOW

Date Samp/Recv: 10/25/2005 10/26/2005

% Moisture: not dec. 8 Heated Purge: Y

Date Analyzed: 11/05/2005

GC Column: DB-624 ID: 0.25 (mm)

Dilution Factor: 1.00

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/KG Q

74-87-3-----	Chloromethane	11	U
74-83-9-----	Bromomethane	11	U
75-01-4-----	Vinyl chloride	11	U
75-00-3-----	Chloroethane	11	U
75-09-2-----	Methylene chloride	11	U
67-64-1-----	Acetone	11	U
75-15-0-----	Carbon Disulfide	11	U
75-35-4-----	1,1-Dichloroethene	11	U
75-34-3-----	1,1-Dichloroethane	11	U
67-66-3-----	Chloroform	11	U
107-06-2-----	1,2-Dichloroethane	11	U
78-93-3-----	2-Butanone	11	U
71-55-6-----	1,1,1-Trichloroethane	11	U
56-23-5-----	Carbon Tetrachloride	11	U
75-27-4-----	Bromodichloromethane	11	U
78-87-5-----	1,2-Dichloropropane	11	U
10061-01-5----	cis-1,3-Dichloropropene	11	U
79-01-6-----	Trichloroethene	11	U
124-48-1-----	Dibromochloromethane	11	U
79-00-5-----	1,1,2-Trichloroethane	11	U
71-43-2-----	Benzene	11	U
10061-02-6----	trans-1,3-Dichloropropene	11	U
75-25-2-----	Bromoform	11	U
108-10-1-----	4-Methyl-2-pentanone	11	U
591-78-6-----	2-Hexanone	11	U
127-18-4-----	Tetrachloroethene	11	U
108-88-3-----	Toluene	11	U
79-34-5-----	1,1,2,2-Tetrachloroethane	11	U
108-90-7-----	Chlorobenzene	11	U
100-41-4-----	Ethylbenzene	11	U
100-42-5-----	Styrene	11	U
1330-20-7-----	Total Xylenes	11	U
76-13-1-----	1,1,2-Trichloro-1,2,2-trifluoroethane	11	U
156-59-2-----	cis-1,2-Dichloroethene	11	U

SED-11

Lab Name: STL Buffalo

Contract: _____

Lab Code: RECNY

Case No.: _____

SAS No.: _____

SDG No.: C059

Matrix: (soil/water) SOIL

Lab Sample ID: A5C05912

Sample wt/vol: 5.10 (g/mL) G

Lab File ID: Q8698.RR

Level: (low/med) LOW

Date Samp/Recv: 10/25/2005 10/26/2005

% Moisture: not dec. 8 Heated Purge: Y

Date Analyzed: 11/05/2005

GC Column: DB-624 ID: 0.25 (mm)

Dilution Factor: 1.00

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/KG Q

156-60-5-----	trans-1,2-Dichloroethene	11	U
75-71-8-----	Dichlorodifluoromethane	11	U
75-69-4-----	Trichlorofluoromethane	11	U
79-20-9-----	Methyl acetate	11	U
1634-04-4----	Methyl-t-Butyl Ether (MTBE)	11	U
110-82-7-----	Cyclohexane	11	U
108-87-2-----	Methylcyclohexane	11	U
106-93-4-----	1,2-Dibromoethane	11	U
98-82-8-----	Isopropylbenzene	11	U
541-73-1-----	1,3-Dichlorobenzene	11	U
106-46-7-----	1,4-Dichlorobenzene	11	U
95-50-1-----	1,2-Dichlorobenzene	11	U
96-12-8-----	1,2-Dibromo-3-chloropropane	11	U
120-82-1-----	1,2,4-Trichlorobenzene	11	U

SED-11

Lab Name: STL Buffalo

Contract: _____

Lab Code: REONY

Case No.: _____

SAS No.: _____

SDG No.: C059

Matrix: (soil/water) SOIL

Lab Sample ID: A5C05912

Sample wt/vol: 5.10 (g/mL) G

Lab File ID: Q8698.RR

Level: (low/med) LOW

Date Samp/Recv: 10/25/2005 10/26/2005

% Moisture: not dec. 8.5

Date Analyzed: 11/05/2005

GC Column: DB-624 ID: 0.25 (mm)

Dilution Factor: 1.00

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

Number TICs found: 1

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

CAS NO.	Compound Name	RT	Est. Conc.	Q
1. 110-54-3	HEXANE	4.02	6	JN

Lab Name: STL Buffalo

Contract: _____

SED-12

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: C059

Matrix: (soil/water) SOIL

Lab Sample ID: A5C05913

Sample wt/vol: 5.15 (g/mL) G

Lab File ID: Q8699.RR

Level: (low/med) LOW

Date Samp/Recv: 10/25/2005 10/26/2005

% Moisture: not dec. 28 Heated Purge: Y

Date Analyzed: 11/05/2005

GC Column: DB-624 ID: 0.25 (mm)

Dilution Factor: 1.00

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

CAS NO. COMPOUND CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG Q

74-87-3-----	Chloromethane	13	U
74-83-9-----	Bromomethane	13	U
75-01-4-----	Vinyl chloride	13	U
75-00-3-----	Chloroethane	13	U
75-09-2-----	Methylene chloride	13	U
67-64-1-----	Acetone	13	U
75-15-0-----	Carbon Disulfide	13	U
75-35-4-----	1,1-Dichloroethene	13	U
75-34-3-----	1,1-Dichloroethane	13	U
67-66-3-----	Chloroform	13	U
107-06-2-----	1,2-Dichloroethane	13	U
78-93-3-----	2-Butanone	13	U
71-55-6-----	1,1,1-Trichloroethane	13	U
56-23-5-----	Carbon Tetrachloride	13	U
75-27-4-----	Bromodichloromethane	13	U
78-87-5-----	1,2-Dichloropropane	13	U
10061-01-5----	cis-1,3-Dichloropropene	13	U
79-01-6-----	Trichloroethene	13	U
124-48-1-----	Dibromochloromethane	13	U
79-00-5-----	1,1,2-Trichloroethane	13	U
71-43-2-----	Benzene	13	U
10061-02-6----	trans-1,3-Dichloropropene	13	U
75-25-2-----	Bromoform	13	U
108-10-1-----	4-Methyl-2-pentanone	13	U
591-78-6-----	2-Hexanone	13	U
127-18-4-----	Tetrachloroethene	1	J
108-88-3-----	Toluene	13	U
79-34-5-----	1,1,2,2-Tetrachloroethane	13	U
108-90-7-----	Chlorobenzene	13	U
100-41-4-----	Ethylbenzene	13	U
100-42-5-----	Styrene	13	U
1330-20-7-----	Total Xylenes	13	U
76-13-1-----	1,1,2-Trichloro-1,2,2-trifluoroethane	13	U
156-59-2-----	cis-1,2-Dichloroethene	13	U

DELTA - SOIL ASP 2000/8260 - TCL VOLATILES
ANALYSIS DATA SHEET

38/3459

Client No.

Lab Name: STL Buffalo

Contract: _____

SED-12

Lab Code: RECNY

Case No.: _____

SAS No.: _____

SDG No.: C059

Matrix: (soil/water) SOIL

Lab Sample ID: A5C05913

Sample wt/vol: 5.15 (g/mL) G

Lab File ID: Q8699.RR

Level: (low/med) LOW

Date Samp/Recv: 10/25/2005 10/26/2005

% Moisture: not dec. 28 Heated Purge: Y

Date Analyzed: 11/05/2005

GC Column: DB-624 ID: 0.25 (mm)

Dilution Factor: 1.00

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

CAS NO.

COMPOUND

CONCENTRATION UNITS:

(ug/L or ug/Kg)

UG/KG

Q

156-60-5-----	trans-1,2-Dichloroethene	13	U
75-71-8-----	Dichlorodifluoromethane	13	U
75-69-4-----	Trichlorofluoromethane	13	U
79-20-9-----	Methyl acetate	13	U
1634-04-4-----	Methyl-t-Butyl Ether (MTBE)	13	U
110-82-7-----	Cyclohexane	13	U
108-87-2-----	Methylcyclohexane	13	U
106-93-4-----	1,2-Dibromoethane	13	U
98-82-8-----	Isopropylbenzene	13	U
541-73-1-----	1,3-Dichlorobenzene	13	U
106-46-7-----	1,4-Dichlorobenzene	13	U
95-50-1-----	1,2-Dichlorobenzene	13	U
96-12-8-----	1,2-Dibromo-3-chloropropane	13	U
120-82-1-----	1,2,4-Trichlorobenzene	13	U

Lab Name: STL Buffalo

Contract: _____

SED-12

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: C059

Matrix: (soil/water) SOIL

Lab Sample ID: A5C05913

Sample wt/vol: 5.15 (g/mL) G

Lab File ID: Q8699.RR

Level: (low/med) LOW

Date Samp/Recv: 10/25/2005 10/26/2005

% Moisture: not dec. 27.6

Date Analyzed: 11/05/2005

GC Column: DB-624 ID: 0.25 (mm)

Dilution Factor: 1.00

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

Number TICs found: 2

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

CAS NO.	Compound Name	RT	Est. Conc.	Q
1.	UNKNOWN	1.74	8	J
2. 110-54-3	HEXANE	4.02	8	JN

Lab Name: STL Buffalo

Contract: _____

SED-13

Lab Code: RECNY

Case No.: _____

SAS No.: _____

SDG No.: C059Matrix: (soil/water) SOILLab Sample ID: A5C05914Sample wt/vol: 5.12 (g/mL) GLab File ID: Q8700.RRLevel: (low/med) LOWDate Samp/Recv: 10/25/2005 10/26/2005% Moisture: not dec. 11 Heated Purge: YDate Analyzed: 11/05/2005GC Column: DB-624 ID: 0.25 (mm)Dilution Factor: 1.00

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/KG Q

74-87-3-----	Chloromethane	11	U
74-83-9-----	Bromomethane	11	U
75-01-4-----	Vinyl chloride	11	U
75-00-3-----	Chloroethane	11	U
75-09-2-----	Methylene chloride	11	U
67-64-1-----	Acetone	11	U
75-15-0-----	Carbon Disulfide	11	U
75-35-4-----	1,1-Dichloroethene	11	U
75-34-3-----	1,1-Dichloroethane	11	U
67-66-3-----	Chloroform	11	U
107-06-2-----	1,2-Dichloroethane	11	U
78-93-3-----	2-Butanone	11	U
71-55-6-----	1,1,1-Trichloroethane	11	U
56-23-5-----	Carbon Tetrachloride	11	U
75-27-4-----	Bromodichloromethane	11	U
78-87-5-----	1,2-Dichloropropane	11	U
10061-01-5----	cis-1,3-Dichloropropene	11	U
79-01-6-----	Trichloroethene	11	U
124-48-1-----	Dibromochloromethane	11	U
79-00-5-----	1,1,2-Trichloroethane	11	U
71-43-2-----	Benzene	11	U
10061-02-6----	trans-1,3-Dichloropropene	11	U
75-25-2-----	Bromoform	11	U
108-10-1-----	4-Methyl-2-pentanone	11	U
591-78-6-----	2-Hexanone	11	U
127-18-4-----	Tetrachloroethene	11	U
108-88-3-----	Toluene	11	U
79-34-5-----	1,1,2,2-Tetrachloroethane	11	U
108-90-7-----	Chlorobenzene	11	U
100-41-4-----	Ethylbenzene	11	U
100-42-5-----	Styrene	11	U
1330-20-7-----	Total Xylenes	11	U
76-13-1-----	1,1,2-Trichloro-1,2,2-trifluoroethane	11	U
156-59-2-----	cis-1,2-Dichloroethene	11	U

Lab Name: STL Buffalo

Contract: _____

SED-13

Lab Code: RECNY

Case No.: _____

SAS No.: _____

SDG No.: C059

Matrix: (soil/water) SOIL

Lab Sample ID: A5C05914

Sample wt/vol: 5.12 (g/mL) G

Lab File ID: Q8700.RR

Level: (low/med) LOW

Date Samp/Recv: 10/25/2005 10/26/2005

% Moisture: not dec. 11 Heated Purge: Y

Date Analyzed: 11/05/2005

GC Column: DB-624 ID: 0.25 (mm)

Dilution Factor: 1.00

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS:	
		(ug/L or ug/Kg)	UG/KG Q
156-60-5-----	trans-1,2-Dichloroethene	11	U
75-71-8-----	Dichlorodifluoromethane	11	U
75-69-4-----	Trichlorofluoromethane	11	U
79-20-9-----	Methyl acetate	11	U
1634-04-4----	Methyl-t-Butyl Ether (MTBE)	11	U
110-82-7-----	Cyclohexane	11	U
108-87-2-----	Methylcyclohexane	11	U
106-93-4-----	1,2-Dibromoethane	11	U
98-82-8-----	Isopropylbenzene	11	U
541-73-1-----	1,3-Dichlorobenzene	11	U
106-46-7-----	1,4-Dichlorobenzene	11	U
95-50-1-----	1,2-Dichlorobenzene	11	U
96-12-8-----	1,2-Dibromo-3-chloropropane	11	U
120-82-1-----	1,2,4-Trichlorobenzene	11	U

DELTA - SOIL ASP 2000/8260 - TCL VOLATILES
TENTATIVELY IDENTIFIED COMPOUNDS

42/3459

Client No.

SED-13

Lab Name: STL Buffalo Contract: _____

Lab Code: RECONY Case No.: _____ SAS No.: _____ SDG No.: C059

Matrix: (soil/water) SOIL Lab Sample ID: A5C05914

Sample wt/vol: 5.12 (g/mL) G Lab File ID: Q8700.RR

Level: (low/med) LOW Date Samp/Recv: 10/25/2005 10/26/2005

% Moisture: not dec. 10.5 Date Analyzed: 11/05/2005

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

Number TICs found: 1

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

CAS NO.	Compound Name	RT	Est. Conc.	Q
1. 110-54-3	HEXANE	4.02	6	JN

Lab Name: STL Buffalo

Contract: _____

SED-14

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: C059Matrix: (soil/water) SOILLab Sample ID: A5C05915Sample wt/vol: 5.15 (g/mL) GLab File ID: Q8702.RRLevel: (low/med) LOWDate Samp/Recv.: 10/25/2005 10/26/2005% Moisture: not dec. 55 Heated Purge: YDate Analyzed: 11/05/2005GC Column: DB-624 ID: 0.25 (mm)Dilution Factor: 1.00

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS:	
		(ug/L or ug/Kg)	UG/KG Q
74-87-3-----	Chloromethane	22	U
74-83-9-----	Bromomethane	22	U
75-01-4-----	Vinyl chloride	22	U
75-00-3-----	Chloroethane	22	U
75-09-2-----	Methylene chloride	22	U
67-64-1-----	Acetone	22	U
75-15-0-----	Carbon Disulfide	22	U
75-35-4-----	1,1-Dichloroethene	22	U
75-34-3-----	1,1-Dichloroethane	22	U
67-66-3-----	Chloroform	22	U
107-06-2-----	1,2-Dichloroethane	22	U
78-93-3-----	2-Butanone	22	U
71-55-6-----	1,1,1-Trichloroethane	22	U
56-23-5-----	Carbon Tetrachloride	22	U
75-27-4-----	Bromodichloromethane	22	U
78-87-5-----	1,2-Dichloropropane	22	U
10061-01-5----	cis-1,3-Dichloropropene	22	U
79-01-6-----	Trichloroethene	22	U
124-48-1-----	Dibromochloromethane	22	U
79-00-5-----	1,1,2-Trichloroethane	22	U
71-43-2-----	Benzene	22	U
10061-02-6----	trans-1,3-Dichloropropene	22	U
75-25-2-----	Bromoform	22	U
108-10-1-----	4-Methyl-2-pentanone	22	U
591-78-6-----	2-Hexanone	22	U
127-18-4-----	Tetrachloroethene	22	U
108-88-3-----	Toluene	22	U
79-34-5-----	1,1,2,2-Tetrachloroethane	22	U
108-90-7-----	Chlorobenzene	22	U
100-41-4-----	Ethylbenzene	22	U
100-42-5-----	Styrene	22	U
1330-20-7-----	Total Xylenes	22	U
76-13-1-----	1,1,2-Trichloro-1,2,2-trifluoroethane	22	U
156-59-2-----	cis-1,2-Dichloroethene	22	U

Lab Name: STL Buffalo

Contract: _____

SED-14

Lab Code: RECNY

Case No.: _____

SAS No.: _____

SDG No.: C059

Matrix: (soil/water) SOIL

Lab Sample ID: A5C05915

Sample wt/vol: 5.15 (g/mL) G

Lab File ID: Q8702.RR

Level: (low/med) LOW

Date Samp/Recv: 10/25/2005 10/26/2005

% Moisture: not dec. 55 Heated Purge: Y

Date Analyzed: 11/05/2005

GC Column: DB-624 ID: 0.25 (mm)

Dilution Factor: 1.00

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

CAS NO. COMPOUND

CONCENTRATION UNITS:

(ug/L or ug/Kg)

UG/KG

Q

156-60-5-----	trans-1,2-Dichloroethene	22	U
75-71-8-----	Dichlorodifluoromethane	22	U
75-69-4-----	Trichlorofluoromethane	22	U
79-20-9-----	Methyl acetate	22	U
1634-04-4-----	Methyl-t-Butyl Ether (MTBE)	22	U
110-82-7-----	Cyclohexane	22	U
108-87-2-----	Methylcyclohexane	22	U
106-93-4-----	1,2-Dibromoethane	22	U
98-82-8-----	Isopropylbenzene	22	U
541-73-1-----	1,3-Dichlorobenzene	22	U
106-46-7-----	1,4-Dichlorobenzene	22	U
95-50-1-----	1,2-Dichlorobenzene	22	U
96-12-8-----	1,2-Dibromo-3-chloropropane	22	U
120-82-1-----	1,2,4-Trichlorobenzene	22	U

Lab Name: SIL Buffalo Contract: _____

SED-14

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: C059

Matrix: (soil/water) SOIL

Lab Sample ID: A5C05915

Sample wt/vol: 5.15 (g/mL) G

Lab File ID: Q8702.RR

Level: (low/med) LOW

Date Samp/Recv: 10/25/2005 10/26/2005

% Moisture: not dec. 54.9

Date Analyzed: 11/05/2005

GC Column: DB-624 ID: 0.25 (mm)

Dilution Factor: 1.00

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

Number TICs found: 1

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

CAS NO.	Compound Name	RT	Est. Conc.	Q
1. 110-54-3	HEXANE	4.02	14	JN

DELTA - SOIL ASP 2000/8260 - TCL VOLATILES
ANALYSIS DATA SHEET

46/3459

Client No.

SED-15

Lab Name: STL Buffalo

Contract: _____

Lab Code: RECNY

Case No.: _____

SAS No.: _____

SDG No.: C059

Matrix: (soil/water) SOIL

Lab Sample ID: A5C05916

Sample wt/vol: 5.18 (g/mL) G

Lab File ID: Q8713.RR

Level: (low/med) LOW

Date Samp/Recv: 10/25/2005 10/26/2005

% Moisture: not dec. 15 Heated Purge: Y

Date Analyzed: 11/05/2005

GC Column: DB-624 ID: 0.25 (mm)

Dilution Factor: 1.00

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/KG Q

74-87-3-----	Chloromethane	11	U
74-83-9-----	Bromomethane	11	U
75-01-4-----	Vinyl chloride	11	U
75-00-3-----	Chloroethane	11	U
75-09-2-----	Methylene chloride	11	U
67-64-1-----	Acetone	2	J
75-15-0-----	Carbon Disulfide	11	U
75-35-4-----	1,1-Dichloroethene	11	U
75-34-3-----	1,1-Dichloroethane	11	U
67-66-3-----	Chloroform	11	U
107-06-2-----	1,2-Dichloroethane	11	U
78-93-3-----	2-Butanone	11	U
71-55-6-----	1,1,1-Trichloroethane	11	U
56-23-5-----	Carbon Tetrachloride	11	U
75-27-4-----	Bromodichloromethane	11	U
78-87-5-----	1,2-Dichloropropane	11	U
10061-01-5----	cis-1,3-Dichloropropene	11	U
79-01-6-----	Trichloroethene	11	U
124-48-1-----	Dibromochloromethane	11	U
79-00-5-----	1,1,2-Trichloroethane	11	U
71-43-2-----	Benzene	11	U
10061-02-6----	trans-1,3-Dichloropropene	11	U
75-25-2-----	Bromoform	11	U
108-10-1-----	4-Methyl-2-pentanone	11	U
591-78-6-----	2-Hexanone	11	U
127-18-4-----	Tetrachloroethene	11	U
108-88-3-----	Toluene	11	U
79-34-5-----	1,1,2,2-Tetrachloroethane	11	U
108-90-7-----	Chlorobenzene	11	U
100-41-4-----	Ethylbenzene	11	U
100-42-5-----	Styrene	11	U
1330-20-7-----	Total Xylenes	11	U
76-13-1-----	1,1,2-Trichloro-1,2,2-trifluoroethane	11	U
156-59-2-----	cis-1,2-Dichloroethene	11	U

SED-15

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: C059

Matrix: (soil/water) SOIL Lab Sample ID: A5C05916

Sample wt/vol: 5.18 (g/mL) G Lab File ID: Q8713.RR

Level: (low/med) LOW Date Samp/Recv: 10/25/2005 10/26/2005

% Moisture: not dec. 15 Heated Purge: Y Date Analyzed: 11/05/2005

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS:	
		(ug/L or ug/Kg)	UG/KG Q
156-60-5	trans-1,2-Dichloroethene	11	U
75-71-8	Dichlorodifluoromethane	11	U
75-69-4	Trichlorofluoromethane	11	U
79-20-9	Methyl acetate	11	U
1634-04-4	Methyl-t-Butyl Ether (MTBE)	11	U
110-82-7	Cyclohexane	11	U
108-87-2	Methylcyclohexane	11	U
106-93-4	1,2-Dibromoethane	11	U
98-82-8	Isopropylbenzene	11	U
541-73-1	1,3-Dichlorobenzene	11	U
106-46-7	1,4-Dichlorobenzene	11	U
95-50-1	1,2-Dichlorobenzene	11	U
96-12-8	1,2-Dibromo-3-chloropropane	11	U
120-82-1	1,2,4-Trichlorobenzene	11	U

DELTA - SOIL ASP 2000/8260 - TCL VOLATILES
TENTATIVELY IDENTIFIED COMPOUNDS

48/3459

Client No.

Lab Name: STL Buffalo

Contract: _____

SED-15

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: C059

Matrix: (soil/water) SOIL

Lab Sample ID: A5C05916

Sample wt/vol: 5.18 (g/mL) G

Lab File ID: Q8713.RR

Level: (low/med) LOW

Date Samp/Recv: 10/25/2005 10/26/2005

% Moisture: not dec. 14.8

Date Analyzed: 11/05/2005

GC Column: DB-624 ID: 0.25 (mm)

Dilution Factor: 1.00

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

Number TICs found: 1

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

CAS NO.	Compound Name	RT	Est. Conc.	Q
1. 110-54-3	HEXANE	4.02	9	JN

Lab Name: STL Buffalo

Contract: _____

SED-16

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: C059

Matrix: (soil/water) SOIL

Lab Sample ID: A5C05917

Sample wt/vol: 5.22 (g/mL) G

Lab File ID: Q8714.RR

Level: (low/med) LOW

Date Samp/Recv: 10/25/2005 10/26/2005

% Moisture: not dec. 12 Heated Purge: Y

Date Analyzed: 11/05/2005

GC Column: DB-624 ID: 0.25 (mm)

Dilution Factor: 1.00

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS:	
		(ug/L or ug/Kg)	UG/KG Q
74-87-3	Chloromethane	11	U
74-83-9	Bromomethane	11	U
75-01-4	Vinyl chloride	11	U
75-00-3	Chloroethane	5	J
75-09-2	Methylene chloride	11	
67-64-1	Acetone	5	J
75-15-0	Carbon Disulfide	2	J
75-35-4	1,1-Dichloroethene	11	U
75-34-3	1,1-Dichloroethane	11	U
67-66-3	Chloroform	11	U
107-06-2	1,2-Dichloroethane	11	U
78-93-3	2-Butanone	11	U
71-55-6	1,1,1-Trichloroethane	11	U
56-23-5	Carbon Tetrachloride	11	U
75-27-4	Bromodichloromethane	11	U
78-87-5	1,2-Dichloropropane	11	U
10061-01-5	cis-1,3-Dichloropropene	11	U
79-01-6	Trichloroethene	11	U
124-48-1	Dibromochloromethane	11	U
79-00-5	1,1,2-Trichloroethane	11	U
71-43-2	Benzene	11	U
10061-02-6	trans-1,3-Dichloropropene	11	U
75-25-2	Bromoform	11	U
108-10-1	4-Methyl-2-pentanone	11	U
591-78-6	2-Hexanone	11	U
127-18-4	Tetrachloroethene	11	U
108-88-3	Toluene	2	J
79-34-5	1,1,2,2-Tetrachloroethane	11	U
108-90-7	Chlorobenzene	11	U
100-41-4	Ethylbenzene	11	U
100-42-5	Styrene	11	U
1330-20-7	Total Xylenes	11	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	11	U
156-59-2	cis-1,2-Dichloroethene	11	U

DELTA - SOIL ASP 2000/8260 - TCL VOLATILES
ANALYSIS DATA SHEET

50/3459

Client No.

Lab Name: STL Buffalo

Contract: _____

SED-16

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: C059

Matrix: (soil/water) SOIL

Lab Sample ID: A5C05917

Sample wt/vol: 5.22 (g/mL) G

Lab File ID: Q8714.RR

Level: (low/med) LOW

Date Samp/Recv: 10/25/2005 10/26/2005

% Moisture: not dec. 12 Heated Purge: Y

Date Analyzed: 11/05/2005

GC Column: DB-624 ID: 0.25 (mm)

Dilution Factor: 1.00

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS:		Q
		(ug/L or ug/Kg)	UG/KG	
156-60-5-----	trans-1,2-Dichloroethene	11		U
75-71-8-----	Dichlorodifluoromethane	11		U
75-69-4-----	Trichlorofluoromethane	11		U
79-20-9-----	Methyl acetate	11		U
1634-04-4----	Methyl-t-Butyl Ether (MTBE)	11		U
110-82-7-----	Cyclohexane	11		U
108-87-2-----	Methylcyclohexane	11		U
106-93-4-----	1,2-Dibromoethane	11		U
98-82-8-----	Isopropylbenzene	2		J
541-73-1-----	1,3-Dichlorobenzene	11		U
106-46-7-----	1,4-Dichlorobenzene	11		U
95-50-1-----	1,2-Dichlorobenzene	11		U
96-12-8-----	1,2-Dibromo-3-chloropropane	11		U
120-82-1-----	1,2,4-Trichlorobenzene	11		U

Lab Name: STL Buffalo

Contract: _____

SED-16

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: C059

Matrix: (soil/water) SOIL

Lab Sample ID: A5C05917

Sample wt/vol: 5.22 (g/mL) G

Lab File ID: Q8714.RR

Level: (low/med) LOW

Date Samp/Recv: 10/25/2005 10/26/2005

% Moisture: not dec. 12.0

Date Analyzed: 11/05/2005

GC Column: DB-624 ID: 0.25 (mm)

Dilution Factor: 1.00

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

Number TICs found: 6

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

CAS NO.	Compound Name	RT	Est. Conc.	Q
1.	UNKNOWN	1.56	16	J
2.	UNSATURATED HYDROCARBON	1.86	10	J
3. 110-54-3	HEXANE	4.02	8	JN
4.	UNKNOWN	10.81	6	J
5.	UNKNOWN	11.79	6	J
6.	UNKNOWN	12.54	6	J

DELTA - SOIL ASP 2000/8260 - TCL VOLATILES
ANALYSIS DATA SHEET

52/3459

Client No.

Lab Name: STL Buffalo

Contract: _____

SED-17

Lab Code: RECNY

Case No.: _____

SAS No.: _____

SDG No.: C059

Matrix: (soil/water) SOIL

Lab Sample ID: A5C05918

Sample wt/vol: 5.18 (g/mL) G

Lab File ID: Q8703.RR

Level: (low/med) LOW

Date Samp/Recv: 10/25/2005 10/26/2005

% Moisture: not dec. 13 Heated Purge: Y

Date Analyzed: 11/05/2005

GC Column: DB-624 ID: 0.25 (mm)

Dilution Factor: 1.00

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS:		Q
		(ug/L or ug/Kg)	UG/KG	
74-87-3-----	Chloromethane	11		U
74-83-9-----	Bromomethane	11		U
75-01-4-----	Vinyl chloride	11		U
75-00-3-----	Chloroethane	11		U
75-09-2-----	Methylene chloride	11		U
67-64-1-----	Acetone	11		U
75-15-0-----	Carbon Disulfide	11		U
75-35-4-----	1,1-Dichloroethene	11		U
75-34-3-----	1,1-Dichloroethane	11		U
67-66-3-----	Chloroform	11		U
107-06-2-----	1,2-Dichloroethane	11		U
78-93-3-----	2-Butanone	11		U
71-55-6-----	1,1,1-Trichloroethane	11		U
56-23-5-----	Carbon Tetrachloride	11		U
75-27-4-----	Bromodichloromethane	11		U
78-87-5-----	1,2-Dichloropropane	11		U
10061-01-5----	cis-1,3-Dichloropropene	11		U
79-01-6-----	Trichloroethene	11		U
124-48-1-----	Dibromochloromethane	11		U
79-00-5-----	1,1,2-Trichloroethane	11		U
71-43-2-----	Benzene	11		U
10061-02-6----	trans-1,3-Dichloropropene	11		U
75-25-2-----	Bromoform	11		U
108-10-1-----	4-Methyl-2-pentanone	11		U
591-78-6-----	2-Hexanone	11		U
127-18-4-----	Tetrachloroethene	11		U
108-88-3-----	Toluene	11		U
79-34-5-----	1,1,2,2-Tetrachloroethane	11		U
108-90-7-----	Chlorobenzene	11		U
100-41-4-----	Ethylbenzene	11		U
100-42-5-----	Styrene	11		U
1330-20-7-----	Total Xylenes	11		U
76-13-1-----	1,1,2-Trichloro-1,2,2-trifluoroethane	11		U
156-59-2-----	cis-1,2-Dichloroethene	11		U

Lab Name: STL Buffalo

Contract: _____

SED-17

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: C059

Matrix: (soil/water) SOIL

Lab Sample ID: A5C05918

Sample wt/vol: 5.18 (g/mL) G

Lab File ID: Q8703.RR

Level: (low/med) LOW

Date Samp/Recv: 10/25/2005 10/26/2005

% Moisture: not dec. 13 Heated Purge: Y

Date Analyzed: 11/05/2005

GC Column: DB-624 ID: 0.25 (mm)

Dilution Factor: 1.00

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

CAS NO. COMPOUND CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG Q

156-60-5-----	trans-1,2-Dichloroethene	11	U
75-71-8-----	Dichlorodifluoromethane	11	U
75-69-4-----	Trichlorofluoromethane	11	U
79-20-9-----	Methyl acetate	11	U
1634-04-4-----	Methyl-t-Butyl Ether (MTBE)	11	U
110-82-7-----	Cyclohexane	11	U
108-87-2-----	Methylcyclohexane	11	U
106-93-4-----	1,2-Dibromoethane	11	U
98-82-8-----	Isopropylbenzene	11	U
541-73-1-----	1,3-Dichlorobenzene	11	U
106-46-7-----	1,4-Dichlorobenzene	11	U
95-50-1-----	1,2-Dichlorobenzene	11	U
96-12-8-----	1,2-Dibromo-3-chloropropane	11	U
120-82-1-----	1,2,4-Trichlorobenzene	11	U

DELTA - SOIL ASP 2000/8260 - TCL VOLATILES
TENTATIVELY IDENTIFIED COMPOUNDS

54/3459

Client No.

Lab Name: STL Buffalo

Contract: _____

SED-17

Lab Code: RECNV

Case No.: _____

SAS No.: _____

SDG No.: C059

Matrix: (soil/water) SOIL

Lab Sample ID: A5C05918

Sample wt/vol: 5.18 (g/mL) G

Lab File ID: Q8703.RR

Level: (low/med) LOW

Date Samp/Recv: 10/25/2005 10/26/2005

% Moisture: not dec. 12.8

Date Analyzed: 11/05/2005

GC Column: DB-624 ID: 0.25 (mm)

Dilution Factor: 1.00

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

Number TICs found: 1

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

CAS NO.	Compound Name	RT	Est. Conc.	Q
1. 110-54-3	HEXANE	4.02	8	JN

Lab Name: STL Buffalo

Contract: _____

SED-18

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: C059

Matrix: (soil/water) SOIL

Lab Sample ID: A5C05919

Sample wt/vol: 5.08 (g/mL) G

Lab File ID: Q8704.RR

Level: (low/med) LOW

Date Samp/Recv: 10/25/2005 10/26/2005

% Moisture: not dec. 16 Heated Purge: Y

Date Analyzed: 11/05/2005

GC Column: DB-624 ID: 0.25 (mm)

Dilution Factor: 1.00

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS:	
		(ug/L or ug/Kg)	UG/KG Q
74-87-3	Chloromethane	12	U
74-83-9	Bromomethane	12	U
75-01-4	Vinyl chloride	12	U
75-00-3	Chloroethane	12	U
75-09-2	Methylene chloride	12	U
67-64-1	Acetone	12	U
75-15-0	Carbon Disulfide	12	U
75-35-4	1,1-Dichloroethene	12	U
75-34-3	1,1-Dichloroethane	12	U
67-66-3	Chloroform	12	U
107-06-2	1,2-Dichloroethane	12	U
78-93-3	2-Butanone	12	U
71-55-6	1,1,1-Trichloroethane	12	U
56-23-5	Carbon Tetrachloride	12	U
75-27-4	Bromodichloromethane	12	U
78-87-5	1,2-Dichloropropane	12	U
10061-01-5	cis-1,3-Dichloropropene	12	U
79-01-6	Trichloroethene	12	U
124-48-1	Dibromochloromethane	12	U
79-00-5	1,1,2-Trichloroethane	12	U
71-43-2	Benzene	12	U
10061-02-6	trans-1,3-Dichloropropene	12	U
75-25-2	Bromoform	12	U
108-10-1	4-Methyl-2-pentanone	12	U
591-78-6	2-Hexanone	12	U
127-18-4	Tetrachloroethene	12	U
108-88-3	Toluene	12	U
79-34-5	1,1,2,2-Tetrachloroethane	12	U
108-90-7	Chlorobenzene	12	U
100-41-4	Ethylbenzene	12	U
100-42-5	Styrene	12	U
1330-20-7	Total Xylenes	12	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	12	U
156-59-2	cis-1,2-Dichloroethene	12	U

DELTA - SOIL ASP 2000/8260 - TCL VOLATILES
ANALYSIS DATA SHEET

56/3459

Client No.

SED-18

Lab Name: STL Buffalo

Contract: _____

Lab Code: RECNY

Case No.: _____

SAS No.: _____

SDG No.: C059

Matrix: (soil/water) SOIL

Lab Sample ID: A5C05919

Sample wt/vol: 5.08 (g/mL) G

Lab File ID: Q8704.RR

Level: (low/med) LOW

Date Samp/Recv: 10/25/2005 10/26/2005

% Moisture: not dec. 16 Heated Purge: Y

Date Analyzed: 11/05/2005

GC Column: DB-624 ID: 0.25 (mm)

Dilution Factor: 1.00

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/KG	Q
156-60-5-----	trans-1,2-Dichloroethene	12	U	
75-71-8-----	Dichlorodifluoromethane	12	U	
75-69-4-----	Trichlorofluoromethane	12	U	
79-20-9-----	Methyl acetate	12	U	
1634-04-4----	Methyl-t-Butyl Ether (MTBE)	12	U	
110-82-7-----	Cyclohexane	12	U	
108-87-2-----	Methylcyclohexane	12	U	
106-93-4-----	1,2-Dibromoethane	12	U	
98-82-8-----	Isopropylbenzene	12	U	
541-73-1-----	1,3-Dichlorobenzene	12	U	
106-46-7-----	1,4-Dichlorobenzene	12	U	
95-50-1-----	1,2-Dichlorobenzene	12	U	
96-12-8-----	1,2-Dibromo-3-chloropropane	12	U	
120-82-1-----	1,2,4-Trichlorobenzene	12	U	

Lab Name: STL Buffalo

Contract: _____

SED-18

Lab Code: RECNY

Case No.: _____

SAS No.: _____

SDG No.: C059

Matrix: (soil/water) SOIL

Lab Sample ID: A5C05919

Sample wt/vol: 5.08 (g/mL) G

Lab File ID: Q8704.RR

Level: (low/med) LOW

Date Samp/Recv: 10/25/2005 10/26/2005

% Moisture: not dec. 16.4

Date Analyzed: 11/05/2005

GC Column: DB-624 ID: 0.25 (mm)

Dilution Factor: 1.00

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

Number TICs found: 1

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

CAS NO.	Compound Name	RT	Est. Conc.	Q
1. 110-54-3	HEXANE	4.02	6	JN

SED-19

Lab Name: STL Buffalo

Contract: _____

Lab Code: RECNY

Case No.: _____

SAS No.: _____

SDG No.: C059

Matrix: (soil/water) SOIL

Lab Sample ID: A5C05922

Sample wt/vol: 5.06 (g/mL) G

Lab File ID: Q8706.RR

Level: (low/med) LOW

Date Samp/Recv: 10/25/2005 10/26/2005

% Moisture: not dec. 6 Heated Purge: Y

Date Analyzed: 11/05/2005

GC Column: DB-624 ID: 0.25 (mm)

Dilution Factor: 1.00

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/KG	Q
74-87-3-----	Chloromethane	10	U	
74-83-9-----	Bromomethane	10	U	
75-01-4-----	Vinyl chloride	10	U	
75-00-3-----	Chloroethane	10	U	
75-09-2-----	Methylene chloride	10	U	
67-64-1-----	Acetone	10	U	
75-15-0-----	Carbon Disulfide	10	U	
75-35-4-----	1,1-Dichloroethene	10	U	
75-34-3-----	1,1-Dichloroethane	10	U	
67-66-3-----	Chloroform	10	U	
107-06-2-----	1,2-Dichloroethane	10	U	
78-93-3-----	2-Butanone	10	U	
71-55-6-----	1,1,1-Trichloroethane	10	U	
56-23-5-----	Carbon Tetrachloride	10	U	
75-27-4-----	Bromodichloromethane	10	U	
78-87-5-----	1,2-Dichloropropane	10	U	
10061-01-5----	cis-1,3-Dichloropropene	10	U	
79-01-6-----	Trichloroethene	10	U	
124-48-1-----	Dibromochloromethane	10	U	
79-00-5-----	1,1,2-Trichloroethane	10	U	
71-43-2-----	Benzene	10	U	
10061-02-6----	trans-1,3-Dichloropropene	10	U	
75-25-2-----	Bromoform	10	U	
108-10-1-----	4-Methyl-2-pentanone	10	U	
591-78-6-----	2-Hexanone	10	U	
127-18-4-----	Tetrachloroethene	10	U	
108-88-3-----	Toluene	10	U	
79-34-5-----	1,1,2,2-Tetrachloroethane	10	U	
108-90-7-----	Chlorobenzene	10	U	
100-41-4-----	Ethylbenzene	10	U	
100-42-5-----	Styrene	10	U	
1330-20-7-----	Total Xylenes	10	U	
76-13-1-----	1,1,2-Trichloro-1,2,2-trifluoroethane	10	U	
156-59-2-----	cis-1,2-Dichloroethene	10	U	

SED-19

Lab Name: STL Buffalo

Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: C059

Matrix: (soil/water) SOIL

Lab Sample ID: A5C05922

Sample wt/vol: 5.06 (g/mL) G

Lab File ID: Q8706.RR

Level: (low/med) LOW

Date Samp/Recv: 10/25/2005 10/26/2005

% Moisture: not dec. 6 Heated Purge: Y

Date Analyzed: 11/05/2005

GC Column: DB-624 ID: 0.25 (mm)

Dilution Factor: 1.00

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/KG Q

156-60-5-----	trans-1,2-Dichloroethene	10	U
75-71-8-----	Dichlorodifluoromethane	10	U
75-69-4-----	Trichlorofluoromethane	10	U
79-20-9-----	Methyl acetate	10	U
1634-04-4----	Methyl-t-Butyl Ether (MTBE)	10	U
110-82-7-----	Cyclohexane	10	U
108-87-2-----	Methylcyclohexane	10	U
106-93-4-----	1,2-Dibromoethane	10	U
98-82-8-----	Isopropylbenzene	10	U
541-73-1-----	1,3-Dichlorobenzene	10	U
106-46-7-----	1,4-Dichlorobenzene	10	U
95-50-1-----	1,2-Dichlorobenzene	10	U
96-12-8-----	1,2-Dibromo-3-chloropropane	10	U
120-82-1-----	1,2,4-Trichlorobenzene	10	U

DELTA - SOIL ASP 2000/8260 - TCL VOLATILES
TENTATIVELY IDENTIFIED COMPOUNDS

60/3459

Client No.

SED-19

Lab Name: STL Buffalo

Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: C059

Matrix: (soil/water) SOIL

Lab Sample ID: A5C05922

Sample wt/vol: 5.06 (g/mL) G

Lab File ID: Q8706.RR

Level: (low/med) LOW

Date Samp/Recv: 10/25/2005 10/26/2005

% Moisture: not dec. 6.4

Date Analyzed: 11/05/2005

GC Column: DB-624 ID: 0.25 (mm)

Dilution Factor: 1.00

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

Number TICs found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

CAS NO.	Compound Name	RT	Est. Conc.	Q

Lab Name: SIL Buffalo

Contract: _____

SED-19A

Lab Code: RECN Case No.: _____ SAS No.: _____ SDG No.: C059

Matrix: (soil/water) SOIL

Lab Sample ID: A5C05920

Sample wt/vol: 5.14 (g/mL) G

Lab File ID: Q8705.RR

Level: (low/med) LOW

Date Samp/Recv: 10/25/2005 10/26/2005

% Moisture: not dec. 23 Heated Purge: Y

Date Analyzed: 11/05/2005

GC Column: DB-624 ID: 0.25 (mm)

Dilution Factor: 1.00

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS:	
		(ug/L or ug/Kg)	<u>UG/KG</u> Q
74-87-3	-----Chloromethane	13	U
74-83-9	-----Bromomethane	13	U
75-01-4	-----Vinyl chloride	13	U
75-00-3	-----Chloroethane	13	U
75-09-2	-----Methylene chloride	13	U
67-64-1	-----Acetone	13	U
75-15-0	-----Carbon Disulfide	13	U
75-35-4	-----1,1-Dichloroethene	13	U
75-34-3	-----1,1-Dichloroethane	13	U
67-66-3	-----Chloroform	13	U
107-06-2	-----1,2-Dichloroethane	13	U
78-93-3	-----2-Butanone	13	U
71-55-6	-----1,1,1-Trichloroethane	13	U
56-23-5	-----Carbon Tetrachloride	13	U
75-27-4	-----Bromodichloromethane	13	U
78-87-5	-----1,2-Dichloropropane	13	U
10061-01-5	-----cis-1,3-Dichloropropene	13	U
79-01-6	-----Trichloroethene	13	U
124-48-1	-----Dibromochloromethane	13	U
79-00-5	-----1,1,2-Trichloroethane	13	U
71-43-2	-----Benzene	13	U
10061-02-6	-----trans-1,3-Dichloropropene	13	U
75-25-2	-----Bromoforn	13	U
108-10-1	-----4-Methyl-2-pentanone	13	U
591-78-6	-----2-Hexanone	13	U
127-18-4	-----Tetrachloroethene	13	U
108-88-3	-----Toluene	13	U
79-34-5	-----1,1,2,2-Tetrachloroethane	13	U
108-90-7	-----Chlorobenzene	13	U
100-41-4	-----Ethylbenzene	13	U
100-42-5	-----Styrene	13	U
1330-20-7	-----Total Xylenes	13	U
76-13-1	-----1,1,2-Trichloro-1,2,2-trifluoroethane	13	U
156-59-2	-----cis-1,2-Dichloroethene	13	U

DELTA - SOIL ASP 2000/8260 - TCL VOLATILES
ANALYSIS DATA SHEET

62/3459

Client No.

Lab Name: STL Buffalo

Contract: _____

SED-19A

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: C059

Matrix: (soil/water) SOIL

Lab Sample ID: A5C05920

Sample wt/vol: 5.14 (g/mL) G

Lab File ID: Q8705.RR

Level: (low/med) LOW

Date Samp/Recv: 10/25/2005 10/26/2005

% Moisture: not dec. 23 Heated Purge: Y

Date Analyzed: 11/05/2005

GC Column: DB-624 ID: 0.25 (mm)

Dilution Factor: 1.00

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS:		Q
		(ug/L or ug/Kg)	UG/KG	
156-60-5-----	trans-1,2-Dichloroethene	13	U	
75-71-8-----	Dichlorodifluoromethane	13	U	
75-69-4-----	Trichlorofluoromethane	13	U	
79-20-9-----	Methyl acetate	13	U	
1634-04-4----	Methyl-t-Butyl Ether (MTBE)	13	U	
110-82-7-----	Cyclohexane	13	U	
108-87-2-----	Methylcyclohexane	13	U	
106-93-4-----	1,2-Dibromoethane	13	U	
98-82-8-----	Isopropylbenzene	13	U	
541-73-1-----	1,3-Dichlorobenzene	13	U	
106-46-7-----	1,4-Dichlorobenzene	13	U	
95-50-1-----	1,2-Dichlorobenzene	13	U	
96-12-8-----	1,2-Dibromo-3-chloropropane	13	U	
120-82-1-----	1,2,4-Trichlorobenzene	13	U	

Lab Name: STL Buffalo

Contract: _____

SED-19A

Lab Code: RECNY

Case No.: _____

SAS No.: _____

SDG No.: C059

Matrix: (soil/water) SOIL

Lab Sample ID: A5C05920

Sample wt/vol: 5.14 (g/mL) G

Lab File ID: Q8705.RR

Level: (low/med) LOW

Date Samp/Recv: 10/25/2005 10/26/2005

% Moisture: not dec. 23.1

Date Analyzed: 11/05/2005

GC Column: DB-624 ID: 0.25 (mm)

Dilution Factor: 1.00

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

Number TICs found: 1

CONCENTRATION UNITS:

(ug/L or ug/Kg) UG/KG

CAS NO.	Compound Name	RT	Est. Conc.	Q
1. 110-54-3	HEXANE	4.02	10	JN

DELTA - SOIL ASP 2000/8260 - TCL VOLATILES
ANALYSIS DATA SHEET

64/3459

Client No.

Lab Name: STL Buffalo

Contract: _____

TP-21

Lab Code: RECNY

Case No.: _____

SAS No.: _____

SDG No.: C059

Matrix: (soil/water) SOIL

Lab Sample ID: A5C05901

Sample wt/vol: 5.10 (g/mL) G

Lab File ID: Q8716.RR

Level: (low/med) LOW

Date Samp/Recv: 10/24/2005 10/26/2005

% Moisture: not dec. 15 Heated Purge: Y

Date Analyzed: 11/05/2005

GC Column: DB-624 ID: 0.25 (mm)

Dilution Factor: 1.00

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/KG Q

74-87-3-----	Chloromethane	12	U
74-83-9-----	Bromomethane	12	U
75-01-4-----	Vinyl chloride	12	U
75-00-3-----	Chloroethane	12	U
75-09-2-----	Methylene chloride	12	U
67-64-1-----	Acetone	31	U
75-15-0-----	Carbon Disulfide	2	J
75-35-4-----	1,1-Dichloroethene	12	U
75-34-3-----	1,1-Dichloroethane	12	U
67-66-3-----	Chloroform	12	U
107-06-2-----	1,2-Dichloroethane	12	U
78-93-3-----	2-Butanone	8	J
71-55-6-----	1,1,1-Trichloroethane	12	U
56-23-5-----	Carbon Tetrachloride	12	U
75-27-4-----	Bromodichloromethane	12	U
78-87-5-----	1,2-Dichloropropane	12	U
10061-01-5----	cis-1,3-Dichloropropene	12	U
79-01-6-----	Trichloroethene	12	U
124-48-1-----	Dibromochloromethane	12	U
79-00-5-----	1,1,2-Trichloroethane	12	U
71-43-2-----	Benzene	12	U
10061-02-6----	trans-1,3-Dichloropropene	12	U
75-25-2-----	Bromoform	12	U
108-10-1-----	4-Methyl-2-pentanone	12	U
591-78-6-----	2-Hexanone	12	U
127-18-4-----	Tetrachloroethene	12	U
108-88-3-----	Toluene	2	J
79-34-5-----	1,1,2,2-Tetrachloroethane	12	U
108-90-7-----	Chlorobenzene	12	U
100-41-4-----	Ethylbenzene	12	U
100-42-5-----	Styrene	12	U
1330-20-7-----	Total Xylenes	4	J
76-13-1-----	1,1,2-Trichloro-1,2,2-trifluoroethane	12	U
156-59-2-----	cis-1,2-Dichloroethene	12	U

TP-21

Lab Name: STL Buffalo

Contract: _____

Lab Code: RECNY

Case No.: _____

SAS No.: _____

SDG No.: C059

Matrix: (soil/water) SOIL

Lab Sample ID: A5C05901

Sample wt/vol: 5.10 (g/mL) G

Lab File ID: Q8716.RR

Level: (low/med) LOW

Date Samp/Recv: 10/24/2005 10/26/2005

% Moisture: not dec. 15 Heated Purge: Y

Date Analyzed: 11/05/2005

GC Column: DB-624 ID: 0.25 (mm)

Dilution Factor: 1.00

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/KG Q

156-60-5-----	trans-1,2-Dichloroethene	12	U
75-71-8-----	Dichlorodifluoromethane	12	U
75-69-4-----	Trichlorofluoromethane	12	U
79-20-9-----	Methyl acetate	12	U
1634-04-4----	Methyl-t-Butyl Ether (MTBE)	12	U
110-82-7-----	Cyclohexane	4	J
108-87-2-----	Methylcyclohexane	17	
106-93-4-----	1,2-Dibromoethane	12	U
98-82-8-----	Isopropylbenzene	12	U
541-73-1-----	1,3-Dichlorobenzene	12	U
106-46-7-----	1,4-Dichlorobenzene	12	U
95-50-1-----	1,2-Dichlorobenzene	12	U
96-12-8-----	1,2-Dibromo-3-chloropropane	12	U
120-82-1-----	1,2,4-Trichlorobenzene	12	U

DELTA - SOIL ASP 2000/8260 - TCL VOLATILES
TENTATIVELY IDENTIFIED COMPOUNDS

66/3459

Client No.

TP-21

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: C059

Matrix: (soil/water) SOIL Lab Sample ID: A5C05901

Sample wt/vol: 5.10 (g/mL) G Lab File ID: Q8716.RR

Level: (low/med) LOW Date Samp/Recv: 10/24/2005 10/26/2005

% Moisture: not dec. 14.8 Date Analyzed: 11/05/2005

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

Number TICs found: 10

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

CAS NO.	Compound Name	RT	Est. Conc.	Q
1.	SATURATED HYDROCARBON	8.54	32	J
2.	SATURATED HYDROCARBON	9.80	78	J
3.	SATURATED HYDROCARBON	10.07	39	J
4.	SATURATED HYDROCARBON	10.83	140	J
5.	UNKNOWN	11.01	28	J
6.	UNKNOWN	11.32	31	J
7.	SATURATED HYDROCARBON	11.68	100	J
8.	SATURATED HYDROCARBON	11.79	54	J
9.	UNKNOWN	12.15	38	J
10.	SATURATED HYDROCARBON	12.40	45	J

TP-23

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: C059

Matrix: (soil/water) SOIL Lab Sample ID: A5C05902

Sample wt/vol: 5.19 (g/mL) G Lab File ID: Q8696.RR

Level: (low/med) LOW Date Samp/Recv: 10/24/2005 10/26/2005

% Moisture: not dec. 25 Heated Purge: Y Date Analyzed: 11/05/2005

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/KG	Q
74-87-3	-----Chloromethane	13		U
74-83-9	-----Bromomethane	13		U
75-01-4	-----Vinyl chloride	13		U
75-00-3	-----Chloroethane	13		U
75-09-2	-----Methylene chloride	13		U
67-64-1	-----Acetone	170		
75-15-0	-----Carbon Disulfide	13		U
75-35-4	-----1,1-Dichloroethene	13		U
75-34-3	-----1,1-Dichloroethane	13		U
67-66-3	-----Chloroform	13		U
107-06-2	-----1,2-Dichloroethane	13		U
78-93-3	-----2-Butanone	55		
71-55-6	-----1,1,1-Trichloroethane	13		U
56-23-5	-----Carbon Tetrachloride	13		U
75-27-4	-----Bromodichloromethane	13		U
78-87-5	-----1,2-Dichloropropane	13		U
10061-01-5	-----cis-1,3-Dichloropropene	13		U
79-01-6	-----Trichloroethene	13		U
124-48-1	-----Dibromochloromethane	13		U
79-00-5	-----1,1,2-Trichloroethane	13		U
71-43-2	-----Benzene	13		U
10061-02-6	-----trans-1,3-Dichloropropene	13		U
75-25-2	-----Bromoform	13		U
108-10-1	-----4-Methyl-2-pentanone	13		U
591-78-6	-----2-Hexanone	13		U
127-18-4	-----Tetrachloroethene	13		U
108-88-3	-----Toluene	13		U
79-34-5	-----1,1,2,2-Tetrachloroethane	13		U
108-90-7	-----Chlorobenzene	13		U
100-41-4	-----Ethylbenzene	13		U
100-42-5	-----Styrene	13		U
1330-20-7	-----Total Xylenes	13		U
76-13-1	-----1,1,2-Trichloro-1,2,2-trifluoroethane	13		U
156-59-2	-----cis-1,2-Dichloroethene	13		U

DELTA - SOIL ASP 2000/8260 - TCL VOLATILES
ANALYSIS DATA SHEET

68/3459

Client No.

Lab Name: STL Buffalo

Contract: _____

TP-23

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: C059

Matrix: (soil/water) SOIL

Lab Sample ID: A5C05902

Sample wt/vol: 5.19 (g/mL) G

Lab File ID: Q8696.RR

Level: (low/med) LOW

Date Samp/Recv: 10/24/2005 10/26/2005

% Moisture: not dec. 25 Heated Purge: Y

Date Analyzed: 11/05/2005

GC Column: DB-624 ID: 0.25 (mm)

Dilution Factor: 1.00

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

CAS NO. COMPOUND CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG Q

156-60-5-----	trans-1,2-Dichloroethene	13	U
75-71-8-----	Dichlorodifluoromethane	13	U
75-69-4-----	Trichlorofluoromethane	13	U
79-20-9-----	Methyl acetate	13	U
1634-04-4----	Methyl-t-Butyl Ether (MTBE)	13	U
110-82-7-----	Cyclohexane	13	U
108-87-2-----	Methylcyclohexane	2	J
106-93-4-----	1,2-Dibromoethane	13	U
98-82-8-----	Isopropylbenzene	13	U
541-73-1-----	1,3-Dichlorobenzene	13	U
106-46-7-----	1,4-Dichlorobenzene	13	U
95-50-1-----	1,2-Dichlorobenzene	13	U
96-12-8-----	1,2-Dibromo-3-chloropropane	13	U
120-82-1-----	1,2,4-Trichlorobenzene	13	U

TP-23

Lab Name: SFL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: C059

Matrix: (soil/water) SOIL Lab Sample ID: A5C05902

Sample wt/vol: 5.19 (g/mL) G Lab File ID: Q8696.RR

Level: (low/med) LOW Date Samp/Recv: 10/24/2005 10/26/2005

% Moisture: not dec. 24.7 Date Analyzed: 11/05/2005

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

Number TICs found: 1 CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

CAS NO.	Compound Name	RT	Est. Conc.	Q
1.	UNKNOWN	1.55	9	J

DELTA - SOIL ASP 2000/8260 - TCL VOLATILES
ANALYSIS DATA SHEET

70/3459

Client No.

TP-26

Lab Name: STL Buffalo

Contract: _____

Lab Code: RECNY

Case No.: _____

SAS No.: _____

SDG No.: C059

Matrix: (soil/water) SOIL

Lab Sample ID: A5C05903

Sample wt/vol: 5.13 (g/mL) G

Lab File ID: Q8709.RR

Level: (low/med) LOW

Date Samp/Recv: 10/24/2005 10/26/2005

% Moisture: not dec. 10 Heated Purge: Y

Date Analyzed: 11/05/2005

GC Column: DB-624 ID: 0.25 (mm)

Dilution Factor: 1.00

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/KG	Q
74-87-3	-----Chloromethane	11	U	
74-83-9	-----Bromomethane	11	U	
75-01-4	-----Vinyl chloride	11	U	
75-00-3	-----Chloroethane	11	U	
75-09-2	-----Methylene chloride	11	U	
67-64-1	-----Acetone	16		
75-15-0	-----Carbon Disulfide	11	U	
75-35-4	-----1,1-Dichloroethene	11	U	
75-34-3	-----1,1-Dichloroethane	11	U	
67-66-3	-----Chloroform	11	U	
107-06-2	-----1,2-Dichloroethane	11	U	
78-93-3	-----2-Butanone	11	U	
71-55-6	-----1,1,1-Trichloroethane	11	U	
56-23-5	-----Carbon Tetrachloride	11	U	
75-27-4	-----Bromodichloromethane	11	U	
78-87-5	-----1,2-Dichloropropane	11	U	
10061-01-5	-----cis-1,3-Dichloropropene	11	U	
79-01-6	-----Trichloroethene	11	U	
124-48-1	-----Dibromochloromethane	11	U	
79-00-5	-----1,1,2-Trichloroethane	11	U	
71-43-2	-----Benzene	11	U	
10061-02-6	-----trans-1,3-Dichloropropene	11	U	
75-25-2	-----Bromoform	11	U	
108-10-1	-----4-Methyl-2-pentanone	11	U	
591-78-6	-----2-Hexanone	11	U	
127-18-4	-----Tetrachloroethene	11	U	
108-88-3	-----Toluene	11	U	
79-34-5	-----1,1,2,2-Tetrachloroethane	11	U	
108-90-7	-----Chlorobenzene	11	U	
100-41-4	-----Ethylbenzene	11	U	
100-42-5	-----Styrene	11	U	
1330-20-7	-----Total Xylenes	11	U	
76-13-1	-----1,1,2-Trichloro-1,2,2-trifluoroethane	11	U	
156-59-2	-----cis-1,2-Dichloroethene	11	U	

Lab Name: STL Buffalo

Contract: _____

TP-26

Lab Code: RECNY

Case No.: _____

SAS No.: _____

SDG No.: C059

Matrix: (soil/water) SOIL

Lab Sample ID: A5C05903

Sample wt/vol: 5.13 (g/mL) G

Lab File ID: Q8709.RR

Level: (low/med) LOW

Date Samp/Recv: 10/24/2005 10/26/2005

% Moisture: not dec. 10 Heated Purge: Y

Date Analyzed: 11/05/2005

GC Column: DB-624 ID: 0.25 (mm)

Dilution Factor: 1.00

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

CAS NO:	COMPOUND	CONCENTRATION UNITS:	
		(ug/L or ug/Kg)	UG/KG Q
156-60-5-----	trans-1,2-Dichloroethene	11	U
75-71-8-----	Dichlorodifluoromethane	11	U
75-69-4-----	Trichlorofluoromethane	11	U
79-20-9-----	Methyl acetate	11	U
1634-04-4-----	Methyl-t-Butyl Ether (MTBE)	11	U
110-82-7-----	Cyclohexane	11	U
108-87-2-----	Methylcyclohexane	11	U
106-93-4-----	1,2-Dibromoethane	11	U
98-82-8-----	Isopropylbenzene	11	U
541-73-1-----	1,3-Dichlorobenzene	11	U
106-46-7-----	1,4-Dichlorobenzene	11	U
95-50-1-----	1,2-Dichlorobenzene	11	U
96-12-8-----	1,2-Dibromo-3-chloropropane	11	U
120-82-1-----	1,2,4-Trichlorobenzene	11	U

DELTA - SOIL ASP 2000/8260 - TCL VOLATILES
TENTATIVELY IDENTIFIED COMPOUNDS

72/3459

Client No.

TP-26

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: C059

Matrix: (soil/water) SOIL Lab Sample ID: A5C05903

Sample wt/vol: 5.13 (g/mL) G Lab File ID: Q8709.RR

Level: (low/med) LOW Date Samp/Recv: 10/24/2005 10/26/2005

% Moisture: not dec. 9.7 Date Analyzed: 11/05/2005

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

Number TICs found: 10 CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

CAS NO.	Compound Name	RT	Est. Conc.	Q
1.	SATURATED HYDROCARBON	9.81	130	J
2.	SATURATED HYDROCARBON	10.07	84	J
3.	ALKYLCYCLOALKANE	10.37	90	J
4.	SATURATED HYDROCARBON	10.49	110	J
5.	SATURATED HYDROCARBON	10.57	190	J
6.	SATURATED HYDROCARBON	10.83	670	J
7.	UNKNOWN	11.00	150	J
8.	DECAHYDRONAPHTHALENE DER.	11.32	240	J
9.	SATURATED HYDROCARBON	11.68	140	J
10.	UNKNOWN	11.78	92	J

Lab Name: STL Buffalo

Contract: _____

TP-28

Lab Code: RECNY

Case No.: _____

SAS No.: _____

SDG No.: C059

Matrix: (soil/water) SOIL

Lab Sample ID: A5C05905

Sample wt/vol: 5.16 (g/mL) G

Lab File ID: Q8711.RR

Level: (low/med) LOW

Date Samp/Recv: 10/25/2005 10/26/2005

% Moisture: not dec. 34 Heated Purge: Y

Date Analyzed: 11/05/2005

GC Column: DB-624 ID: 0.25 (mm)

Dilution Factor: 1.00

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/KG Q

74-87-3-----	Chloromethane	14	U
74-83-9-----	Bromomethane	14	U
75-01-4-----	Vinyl chloride	14	U
75-00-3-----	Chloroethane	2	J
75-09-2-----	Methylene chloride	14	U
67-64-1-----	Acetone	36	
75-15-0-----	Carbon Disulfide	14	U
75-35-4-----	1,1-Dichloroethene	14	U
75-34-3-----	1,1-Dichloroethane	14	U
67-66-3-----	Chloroform	14	U
107-06-2-----	1,2-Dichloroethane	14	U
78-93-3-----	2-Butanone	7	J
71-55-6-----	1,1,1-Trichloroethane	14	U
56-23-5-----	Carbon Tetrachloride	14	U
75-27-4-----	Bromodichloromethane	14	U
78-87-5-----	1,2-Dichloropropane	14	U
10061-01-5----	cis-1,3-Dichloropropene	14	U
79-01-6-----	Trichloroethene	14	U
124-48-1-----	Dibromochloromethane	14	U
79-00-5-----	1,1,2-Trichloroethane	14	U
71-43-2-----	Benzene	3	J
10061-02-6----	trans-1,3-Dichloropropene	14	U
75-25-2-----	Bromoform	14	U
108-10-1-----	4-Methyl-2-pentanone	14	U
591-78-6-----	2-Hexanone	14	U
127-18-4-----	Tetrachloroethene	14	U
108-88-3-----	Toluene	14	U
79-34-5-----	1,1,2,2-Tetrachloroethane	14	U
108-90-7-----	Chlorobenzene	9	J
100-41-4-----	Ethylbenzene	14	U
100-42-5-----	Styrene	14	U
1330-20-7----	Total Xylenes	14	U
76-13-1-----	1,1,2-Trichloro-1,2,2-trifluoroethane	14	U
156-59-2-----	cis-1,2-Dichloroethene	14	U

DELTA - SOIL ASP 2000/8260 - TCL VOLATILES
ANALYSIS DATA SHEET

74/3459

Client No.

TP-28

Lab Name: STL Buffalo

Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: C059

Matrix: (soil/water) SOIL

Lab Sample ID: A5C05905

Sample wt/vol: 5.16 (g/mL) G

Lab File ID: Q8711.RR

Level: (low/med) LOW

Date Samp/Recv: 10/25/2005 10/26/2005

% Moisture: not dec. 34 Heated Purge: Y

Date Analyzed: 11/05/2005

GC Column: DB-624 ID: 0.25 (mm)

Dilution Factor: 1.00

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS:		Q
		(ug/L or ug/Kg)	UG/KG	
156-60-5-----	trans-1,2-Dichloroethene	14	U	
75-71-8-----	Dichlorodifluoromethane	14	U	
75-69-4-----	Trichlorofluoromethane	14	U	
79-20-9-----	Methyl acetate	14	U	
1634-04-4-----	Methyl-t-Butyl Ether (MTBE)	14	U	
110-82-7-----	Cyclohexane	14	U	
108-87-2-----	Methylcyclohexane	2	J	
106-93-4-----	1,2-Dibromoethane	14	U	
98-82-8-----	Isopropylbenzene	11	J	
541-73-1-----	1,3-Dichlorobenzene	14	U	
106-46-7-----	1,4-Dichlorobenzene	9	J	
95-50-1-----	1,2-Dichlorobenzene	14	U	
96-12-8-----	1,2-Dibromo-3-chloropropane	14	U	
120-82-1-----	1,2,4-Trichlorobenzene	14	U	

Lab Name: STL Buffalo

Contract: _____

TP-28

Lab Code: RECONY Case No.: _____ SAS No.: _____ SDG No.: C059

Matrix: (soil/water) SOIL

Lab Sample ID: A5C05905

Sample wt/vol: 5.16 (g/mL) G

Lab File ID: Q8711.RR

Level: (low/med) LOW

Date Samp/Recv: 10/25/2005 10/26/2005

% Moisture: not dec. 33.5

Date Analyzed: 11/05/2005

GC Column: DB-624 ID: 0.25 (mm)

Dilution Factor: 1.00

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

Number TICs found: 10

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

CAS NO.	Compound Name	RT	Est. Conc.	Q
1. 103-65-1	N-PROPYLBENZENE	9.71	42	JN
2.	UNSATURATED HYDROCARBON	9.92	28	J
3.	UNKNOWN	10.07	36	J
4.	TRIMETHYLBENZENE ISOMER	10.20	28	J
5.	ALKYLSUBSTITUTED COMPOUND	10.34	52	J
6.	DIETHYLBENZENE ISOMER	10.71	29	J
7.	UNKNOWN	10.80	51	J
8.	ALKYLBENZENE DERIVATIVE	11.10	41	J
9.	UNKNOWN	11.21	35	J
10.	ALKYLBENZENE DERIVATIVE	11.78	36	J

DELTA - SOIL ASP 2000/8260 - TCL VOLATILES
ANALYSIS DATA SHEET

76/3459

Client No.

Lab Name: STL Buffalo

Contract: _____

TP-30

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: C059

Matrix: (soil/water) SOIL

Lab Sample ID: A5C05907

Sample wt/vol: 4.08 (g/mL) G

Lab File ID: Q8569.RR

Level: (low/med) MED

Date Samp/Recv: 10/25/2005 10/26/2005

% Moisture: not dec. 6 Heated Purge: N

Date Analyzed: 11/01/2005

GC Column: DB-624 ID: 0.25 (mm)

Dilution Factor: 1.00

Soil Extract Volume: 10000 (uL)

Soil Aliquot Volume: 100.00 (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS:		Q
		(ug/L or ug/Kg)	UG/KG	
74-87-3-----	Chloromethane	1300		U
74-83-9-----	Bromomethane	1300		U
75-01-4-----	Vinyl chloride	1300		U
75-00-3-----	Chloroethane	1300		U
75-09-2-----	Methylene chloride	1300		U
67-64-1-----	Acetone	1300		U
75-15-0-----	Carbon Disulfide	1300		U
75-35-4-----	1,1-Dichloroethene	1300		U
75-34-3-----	1,1-Dichloroethane	1300		U
67-66-3-----	Chloroform	1300		U
107-06-2-----	1,2-Dichloroethane	1300		U
78-93-3-----	2-Butanone	1300		U
71-55-6-----	1,1,1-Trichloroethane	1300		U
56-23-5-----	Carbon Tetrachloride	1300		U
75-27-4-----	Bromodichloromethane	1300		U
78-87-5-----	1,2-Dichloropropane	1300		U
10061-01-5----	cis-1,3-Dichloropropene	1300		U
79-01-6-----	Trichloroethene	1300		U
124-48-1-----	Dibromochloromethane	1300		U
79-00-5-----	1,1,2-Trichloroethane	1300		U
71-43-2-----	Benzene	1300		U
10061-02-6----	trans-1,3-Dichloropropene	1300		U
75-25-2-----	Bromoform	1300		U
108-10-1-----	4-Methyl-2-pentanone	1300		U
591-78-6-----	2-Hexanone	1300		U
127-18-4-----	Tetrachloroethene	1300		U
108-88-3-----	Toluene	1300		U
79-34-5-----	1,1,2,2-Tetrachloroethane	1300		U
108-90-7-----	Chlorobenzene	2100		
100-41-4-----	Ethylbenzene	1300		U
100-42-5-----	Styrene	1300		U
1330-20-7-----	Total Xylenes	1300		U
76-13-1-----	1,1,2-Trichloro-1,2,2-trifluoroethane	1300		U
156-59-2-----	cis-1,2-Dichloroethene	1300		U

TP-30

Lab Name: STL Buffalo

Contract: _____

Lab Code: RECNV

Case No.: _____

SAS No.: _____

SDG No.: C059

Matrix: (soil/water) SOIL

Lab Sample ID: A5C05907

Sample wt/vol: 4.08 (g/mL) G

Lab File ID: Q8569.RR

Level: (low/med) MED

Date Samp/Recv: 10/25/2005 10/26/2005

% Moisture: not dec. 6 Heated Purge: N

Date Analyzed: 11/01/2005

GC Column: DB-624 ID: 0.25 (mm)

Dilution Factor: 1.00

Soil Extract Volume: 10000 (uL)

Soil Aliquot Volume: 100.00 (uL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/KG	Q
156-60-5-----	trans-1,2-Dichloroethene	1300		U
75-71-8-----	Dichlorodifluoromethane	1300		U
75-69-4-----	Trichlorofluoromethane	1300		U
79-20-9-----	Methyl acetate	1300		U
1634-04-4----	Methyl-t-Butyl Ether (MTBE)	1300		U
110-82-7-----	Cyclohexane	1300		U
108-87-2-----	Methylcyclohexane	1300		U
106-93-4-----	1,2-Dibromoethane	1300		U
98-82-8-----	Isopropylbenzene	1300		U
541-73-1-----	1,3-Dichlorobenzene	1300		U
106-46-7-----	1,4-Dichlorobenzene	400		J
95-50-1-----	1,2-Dichlorobenzene	1300		U
96-12-8-----	1,2-Dibromo-3-chloropropane	1300		U
120-82-1-----	1,2,4-Trichlorobenzene	1300		U

DELTA - SOIL ASP 2000/8260 - TCL VOLATILES
TENTATIVELY IDENTIFIED COMPOUNDS

78/3459

Client No.

Lab Name: STL Buffalo Contract: _____

TP-30

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: C059

Matrix: (soil/water) SOIL

Lab Sample ID: A5C05907

Sample wt/vol: 4.08 (g/mL) G

Lab File ID: Q8569.RR

Level: (low/med) MED

Date Samp/Recv: 10/25/2005 10/26/2005

% Moisture: not dec. 6.1

Date Analyzed: 11/01/2005

GC Column: DB-624 ID: 0.25 (mm)

Dilution Factor: 1.00

Soil Extract Volume: 10000 (uL)

Soil Aliquot Volume: 100.00 (uL)

Number TICs found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

CAS NO.	Compound Name	RT	Est. Conc.	Q

Lab Name: STL Buffalo

Contract: _____

TP-32

Lab Code: RECONY Case No.: _____ SAS No.: _____ SDG No.: C059

Matrix: (soil/water) SOIL

Lab Sample ID: A5C05906

Sample wt/vol: 5.10 (g/mL) G

Lab File ID: Q8701.RR

Level: (low/med) LOW

Date Samp/Recv: 10/25/2005 10/26/2005

% Moisture: not dec. 17 Heated Purge: Y

Date Analyzed: 11/05/2005

GC Column: DB-624 ID: 0.25 (mm)

Dilution Factor: 1.00

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/KG Q

74-87-3-----	Chloromethane	4	J
74-83-9-----	Bromomethane	12	U
75-01-4-----	Vinyl chloride	12	U
75-00-3-----	Chloroethane	2	J
75-09-2-----	Methylene chloride	5	J
67-64-1-----	Acetone	17	
75-15-0-----	Carbon Disulfide	12	U
75-35-4-----	1,1-Dichloroethene	12	U
75-34-3-----	1,1-Dichloroethane	12	U
67-66-3-----	Chloroform	12	U
107-06-2-----	1,2-Dichloroethane	12	U
78-93-3-----	2-Butanone	5	J
71-55-6-----	1,1,1-Trichloroethane	12	U
56-23-5-----	Carbon Tetrachloride	12	U
75-27-4-----	Bromodichloromethane	12	U
78-87-5-----	1,2-Dichloropropane	12	U
10061-01-5----	cis-1,3-Dichloropropene	12	U
79-01-6-----	Trichloroethene	12	U
124-48-1-----	Dibromochloromethane	12	U
79-00-5-----	1,1,2-Trichloroethane	12	U
71-43-2-----	Benzene	4	J
10061-02-6----	trans-1,3-Dichloropropene	12	U
75-25-2-----	Bromoform	12	U
108-10-1-----	4-Methyl-2-pentanone	12	U
591-78-6-----	2-Hexanone	12	U
127-18-4-----	Tetrachloroethene	12	U
108-88-3-----	Toluene	2	J
79-34-5-----	1,1,2,2-Tetrachloroethane	12	U
108-90-7-----	Chlorobenzene	12	U
100-41-4-----	Ethylbenzene	16	
100-42-5-----	Styrene	12	U
1330-20-7-----	Total Xylenes	6	J
76-13-1-----	1,1,2-Trichloro-1,2,2-trifluoroethane	12	U
156-59-2-----	cis-1,2-Dichloroethene	12	U

DELTA - SOIL ASP 2000/8260 - TCL VOLATILES
ANALYSIS DATA SHEET

80/3459

Client No.

TP-32

Lab Name: STL Buffalo Contract: _____

Lab Code: RECN Case No.: _____ SAS No.: _____ SDG No.: C059

Matrix: (soil/water) SOIL Lab Sample ID: A5C05906

Sample wt/vol: 5.10 (g/mL) G Lab File ID: Q8701.RR

Level: (low/med) LOW Date Samp/Recv: 10/25/2005 10/26/2005

% Moisture: not dec. 17 Heated Purge: Y Date Analyzed: 11/05/2005

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/KG Q

156-60-5-----	trans-1,2-Dichloroethene	12	U
75-71-8-----	Dichlorodifluoromethane	12	U
75-69-4-----	Trichlorofluoromethane	12	U
79-20-9-----	Methyl acetate	12	U
1634-04-4----	Methyl-t-Butyl Ether (MIBE)	12	U
110-82-7-----	Cyclohexane	7	J
108-87-2-----	Methylcyclohexane	2	J
106-93-4-----	1,2-Dibromoethane	12	U
98-82-8-----	Isopropylbenzene	5	J
541-73-1-----	1,3-Dichlorobenzene	12	U
106-46-7-----	1,4-Dichlorobenzene	12	U
95-50-1-----	1,2-Dichlorobenzene	12	U
96-12-8-----	1,2-Dibromo-3-chloropropane	12	U
120-82-1-----	1,2,4-Trichlorobenzene	12	U

TP-32

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: C059

Matrix: (soil/water) SOIL Lab Sample ID: A5C05906

Sample wt/vol: 5.10 (g/mL) G Lab File ID: Q8701.RR

Level: (low/med) LOW Date Samp/Recv: 10/25/2005 10/26/2005

% Moisture: not dec. 17.2 Date Analyzed: 11/05/2005

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

Number TICs found: 10 CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

CAS NO.	Compound Name	RT	Est. Conc.	Q
1.	UNKNOWN	9.80	280	J
2.	SATURATED HYDROCARBON	10.07	300	J
3. 1678-93-9	BUTYLCYCLOHEXANE	10.37	210	JN
4.	SATURATED HYDROCARBON	10.43	140	J
5.	SATURATED HYDROCARBON	10.46	97	J
6.	SATURATED HYDROCARBON	10.49	120	J
7.	SATURATED HYDROCARBON	10.57	180	J
8.	SATURATED HYDROCARBON	10.83	400	J
9.	UNKNOWN	11.00	130	J
10.	DECAHYDRONAPHTHALENE DER.	11.32	180	J

DELTA - SOIL ASP 2000/8260 - TCL VOLATILES
ANALYSIS DATA SHEET

82/3459

Client No.

TP-34

Lab Name: STL Buffalo

Contract: _____

Lab Code: RECNY

Case No.: _____

SAS No.: _____

SDG No.: C059

Matrix: (soil/water) SOIL

Lab Sample ID: A5C05908

Sample wt/vol: 5.08 (g/mL) G

Lab File ID: Q8712.RR

Level: (low/med) LOW

Date Samp/Recv: 10/25/2005 10/26/2005

% Moisture: not dec. 21 Heated Purge: Y

Date Analyzed: 11/05/2005

GC Column: DB-624 ID: 0.25 (mm)

Dilution Factor: 1.00

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/KG	Q
74-87-3-----	Chloromethane	5	J	
74-83-9-----	Bromomethane	12	U	
75-01-4-----	Vinyl chloride	12	U	
75-00-3-----	Chloroethane	4	J	
75-09-2-----	Methylene chloride	12	U	
67-64-1-----	Acetone	13		
75-15-0-----	Carbon Disulfide	12	U	
75-35-4-----	1,1-Dichloroethene	12	U	
75-34-3-----	1,1-Dichloroethane	12	U	
67-66-3-----	Chloroform	12	U	
107-06-2-----	1,2-Dichloroethane	12	U	
78-93-3-----	2-Butanone	12	U	
71-55-6-----	1,1,1-Trichloroethane	12	U	
56-23-5-----	Carbon Tetrachloride	12	U	
75-27-4-----	Bromodichloromethane	12	U	
78-87-5-----	1,2-Dichloropropane	12	U	
10061-01-5----	cis-1,3-Dichloropropene	12	U	
79-01-6-----	Trichloroethene	12	U	
124-48-1-----	Dibromochloromethane	12	U	
79-00-5-----	1,1,2-Trichloroethane	12	U	
71-43-2-----	Benzene	2	J	
10061-02-6----	trans-1,3-Dichloropropene	12	U	
75-25-2-----	Bromoform	12	U	
108-10-1-----	4-Methyl-2-pentanone	12	U	
591-78-6-----	2-Hexanone	12	U	
127-18-4-----	Tetrachloroethene	12	U	
108-88-3-----	Toluene	12	U	
79-34-5-----	1,1,2,2-Tetrachloroethane	12	U	
108-90-7-----	Chlorobenzene	12	U	
100-41-4-----	Ethylbenzene	12	U	
100-42-5-----	Styrene	12	U	
1330-20-7-----	Total Xylenes	12	U	
76-13-1-----	1,1,2-Trichloro-1,2,2-trifluoroethane	12	U	
156-59-2-----	cis-1,2-Dichloroethene	12	U	

TP-34

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: C059

Matrix: (soil/water) SOIL Lab Sample ID: A5C05908

Sample wt/vol: 5.08 (g/mL) G Lab File ID: Q8712.RR

Level: (low/med) LOW Date Samp/Recv: 10/25/2005 10/26/2005

% Moisture: not dec. 21 Heated Purge: Y Date Analyzed: 11/05/2005

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CAS NO. COMPOUND CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG Q

156-60-5-----	trans-1,2-Dichloroethene	12	U
75-71-8-----	Dichlorodifluoromethane	12	U
75-69-4-----	Trichlorofluoromethane	12	U
79-20-9-----	Methyl acetate	12	U
1634-04-4-----	Methyl-t-Butyl Ether (MTBE)	12	U
110-82-7-----	Cyclohexane	12	U
108-87-2-----	Methylcyclohexane	12	U
106-93-4-----	1,2-Dibromomethane	12	U
98-82-8-----	Isopropylbenzene	12	U
541-73-1-----	1,3-Dichlorobenzene	12	U
106-46-7-----	1,4-Dichlorobenzene	12	U
95-50-1-----	1,2-Dichlorobenzene	12	U
96-12-8-----	1,2-Dibromo-3-chloropropane	12	U
120-82-1-----	1,2,4-Trichlorobenzene	12	U

TP-34

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: C059

Matrix: (soil/water) SOIL Lab Sample ID: A5C05908

Sample wt/vol: 5.08 (g/mL) G Lab File ID: 08712.RR

Level: (low/med) LOW Date Samp/Recv: 10/25/2005 10/26/2005

% Moisture: not dec. 20.8 Date Analyzed: 11/05/2005

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

Number TICs found: 10

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

CAS NO.	Compound Name	RT	Est. Conc.	Q
1.	UNKNOWN	1.56	35	J
2.	UNKNOWN	9.35	27	J
3.	UNKNOWN	9.81	49	J
4.	SATURATED HYDROCARBON	10.06	49	J
5.	ALKYLCYCLOHEXANE	10.37	44	J
6.	UNKNOWN	10.49	33	J
7.	SATURATED HYDROCARBON	10.57	42	J
8.	SATURATED HYDROCARBON	10.83	130	J
9.	UNKNOWN	11.00	44	J
10.	DECAHYDRONAPHTHALENE DER.	11.32	61	J

Lab Name: STL Buffalo

Contract: _____

TP-35

Lab Code: RECNY

Case No.: _____

SAS No.: _____

SDG No.: C059Matrix: (soil/water) SOILLab Sample ID: A5C05909Sample wt/vol: 4.19 (g/mL) GLab File ID: Q8571.RRLevel: (low/med) MEDDate Samp/Recv: 10/25/2005 10/26/2005% Moisture: not dec. 27 Heated Purge: NDate Analyzed: 11/01/2005GC Column: DB-624 ID: 0.25 (mm)Dilution Factor: 1.00Soil Extract Volume: 10000 (uL)Soil Aliquot Volume: 100.00 (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS:		Q
		(ug/L or ug/Kg)	UG/KG	
74-87-3-----	Chloromethane	1600		U
74-83-9-----	Bromomethane	1600		U
75-01-4-----	Vinyl chloride	1600		U
75-00-3-----	Chloroethane	1600		U
75-09-2-----	Methylene chloride	1600		U
67-64-1-----	Acetone	1600		U
75-15-0-----	Carbon Disulfide	1600		U
75-35-4-----	1,1-Dichloroethene	1600		U
75-34-3-----	1,1-Dichloroethane	1600		U
67-66-3-----	Chloroform	1600		U
107-06-2-----	1,2-Dichloroethane	1600		U
78-93-3-----	2-Butanone	1600		U
71-55-6-----	1,1,1-Trichloroethane	1600		U
56-23-5-----	Carbon Tetrachloride	1600		U
75-27-4-----	Bromodichloromethane	1600		U
78-87-5-----	1,2-Dichloropropane	1600		U
10061-01-5----	cis-1,3-Dichloropropene	1600		U
79-01-6-----	Trichloroethene	1600		U
124-48-1-----	Dibromochloromethane	1600		U
79-00-5-----	1,1,2-Trichloroethane	1600		U
71-43-2-----	Benzene	1600		U
10061-02-6----	trans-1,3-Dichloropropene	1600		U
75-25-2-----	Bromoform	1600		U
108-10-1-----	4-Methyl-2-pentanone	1600		U
591-78-6-----	2-Hexanone	1600		U
127-18-4-----	Tetrachloroethene	1600		U
108-88-3-----	Toluene	2600		
79-34-5-----	1,1,2,2-Tetrachloroethane	1600		U
108-90-7-----	Chlorobenzene	1600		U
100-41-4-----	Ethylbenzene	13000		
100-42-5-----	Styrene	800		J
1330-20-7-----	Total Xylenes	4000		
76-13-1-----	1,1,2-Trichloro-1,2,2-trifluoroethane	1600		U
156-59-2-----	cis-1,2-Dichloroethene	1600		U

DELTA - SOIL ASP 2000/8260 - TCL VOLATILES
ANALYSIS DATA SHEET

86/3459

Client No.

TP-35

Lab Name: STL Buffalo Contract: _____

Lab Code: RECONY Case No.: _____ SAS No.: _____ SDG No.: C059

Matrix: (soil/water) SOIL Lab Sample ID: A5C05909

Sample wt/vol: 4.19 (g/mL) G Lab File ID: Q8571.RR

Level: (low/med) MED Date Samp/Recv: 10/25/2005 10/26/2005

% Moisture: not dec. 27 Heated Purge: N Date Analyzed: 11/01/2005

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.00

Soil Extract Volume: 10000 (uL) Soil Aliquot Volume: 100.00 (uL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/KG	Q
156-60-5-----	trans-1,2-Dichloroethene	1600		U
75-71-8-----	Dichlorodifluoromethane	1600		U
75-69-4-----	Trichlorofluoromethane	1600		U
79-20-9-----	Methyl acetate	1600		U
1634-04-4----	Methyl-t-Butyl Ether (MTBE)	1600		U
110-82-7-----	Cyclohexane	1600		U
108-87-2-----	Methylcyclohexane	1600		U
106-93-4-----	1,2-Dibromoethane	1600		U
98-82-8-----	Isopropylbenzene	590		J
541-73-1-----	1,3-Dichlorobenzene	1600		U
106-46-7-----	1,4-Dichlorobenzene	1600		U
95-50-1-----	1,2-Dichlorobenzene	1600		U
96-12-8-----	1,2-Dibromo-3-chloropropane	1600		U
120-82-1-----	1,2,4-Trichlorobenzene	1600		U

DELTA - SOIL ASP 2000/8260 - TCL VOLATILES
TENTATIVELY IDENTIFIED COMPOUNDS

87/3459

Client No.

TP-35

Lab Name: STL Buffalo

Contract: _____

Lab Code: RECNY

Case No.: _____

SAS No.: _____

SDG No.: C059

Matrix: (soil/water) SOIL

Lab Sample ID: A5C05909

Sample wt/vol: 4.19 (g/mL) G

Lab File ID: Q8571.RR

Level: (low/med) MED

Date Samp/Recv: 10/25/2005 10/26/2005

% Moisture: not dec. 26.6

Date Analyzed: 11/01/2005

GC Column: DB-624 ID: 0.25 (mm)

Dilution Factor: 1.00

Soil Extract Volume: 10000 (uL)

Soil Aliquot Volume: 100.00 (uL)

Number TICs found: 10

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

CAS NO.	Compound Name	RT	Est. Conc.	Q
1.	TRIMETHYLBENZENE ISOMER	9.86	1100	J
2.	UNKNOWN	10.06	1800	J
3.	TRIMETHYLBENZENE ISOMER	10.20	1600	J
4.	ALKYLCYCLOHEXANE	10.37	2000	J
5.	TRIMETHYLBENZENE ISOMER	10.57	1800	J
6.	SATURATED HYDROCARBON	10.82	5800	J
7.	UNKNOWN	11.01	1400	J
8.	UNKNOWN	11.20	1400	J
9.	UNKNOWN	11.33	2900	J
10.	UNKNOWN	11.78	1200	J

TP-OW-2

Lab Name: STL Buffalo

Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: C059

Matrix: (soil/water) SOIL

Lab Sample ID: A5C05904

Sample wt/vol: 5.17 (g/mL) G

Lab File ID: Q8717.RR

Level: (low/med) LOW

Date Samp/Recv: 10/24/2005 10/26/2005

% Moisture: not dec. 21 Heated Purge: Y

Date Analyzed: 11/05/2005

GC Column: DB-624 ID: 0.25 (mm)

Dilution Factor: 1.00

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/KG Q

156-60-5	trans-1,2-Dichloroethene	12	U
75-71-8	Dichlorodifluoromethane	12	U
75-69-4	Trichlorofluoromethane	12	U
79-20-9	Methyl acetate	12	U
1634-04-4	Methyl-t-Butyl Ether (MTBE)	12	U
110-82-7	Cyclohexane	12	U
108-87-2	Methylcyclohexane	35	
106-93-4	1,2-Dibromoethane	12	U
98-82-8	Isopropylbenzene	12	U
541-73-1	1,3-Dichlorobenzene	12	U
106-46-7	1,4-Dichlorobenzene	12	U
95-50-1	1,2-Dichlorobenzene	12	U
96-12-8	1,2-Dibromo-3-chloropropane	12	U
120-82-1	1,2,4-Trichlorobenzene	12	U

Lab Name: STL Buffalo

Contract: _____

TP-OW-2

Lab Code: RECONY Case No.: _____ SAS No.: _____ SDG No.: C059

Matrix: (soil/water) SOIL

Lab Sample ID: A5C05904

Sample wt/vol: 5.17 (g/mL) G

Lab File ID: Q8717.RR

Level: (low/med) LOW

Date Samp/Recv: 10/24/2005 10/26/2005

% Moisture: not dec. 21 Heated Purge: Y

Date Analyzed: 11/05/2005

GC Column: DB-624 ID: 0.25 (mm)

Dilution Factor: 1.00

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS:		Q
		(ug/L or ug/Kg)	UG/KG	
74-87-3	-----Chloromethane	12	U	
74-83-9	-----Bromomethane	12	U	
75-01-4	-----Vinyl chloride	12	U	
75-00-3	-----Chloroethane	4	J	
75-09-2	-----Methylene chloride	12	U	
67-64-1	-----Acetone	110		
75-15-0	-----Carbon Disulfide	12	U	
75-35-4	-----1,1-Dichloroethene	12	U	
75-34-3	-----1,1-Dichloroethane	12	U	
67-66-3	-----Chloroform	12	U	
107-06-2	-----1,2-Dichloroethane	12	U	
78-93-3	-----2-Butanone	40		
71-55-6	-----1,1,1-Trichloroethane	12	U	
56-23-5	-----Carbon Tetrachloride	12	U	
75-27-4	-----Bromodichloromethane	12	U	
78-87-5	-----1,2-Dichloropropane	12	U	
10061-01-5	-----cis-1,3-Dichloropropene	12	U	
79-01-6	-----Trichloroethene	12	U	
124-48-1	-----Dibromochloromethane	12	U	
79-00-5	-----1,1,2-Trichloroethane	12	U	
71-43-2	-----Benzene	2	J	
10061-02-6	-----trans-1,3-Dichloropropene	12	U	
75-25-2	-----Bromoform	12	U	
108-10-1	-----4-Methyl-2-pentanone	12	U	
591-78-6	-----2-Hexanone	12	U	
127-18-4	-----Tetrachloroethene	12	U	
108-88-3	-----Toluene	12	U	
79-34-5	-----1,1,2,2-Tetrachloroethane	12	U	
108-90-7	-----Chlorobenzene	12	U	
100-41-4	-----Ethylbenzene	12	U	
100-42-5	-----Styrene	12	U	
1330-20-7	-----Total Xylenes	4	J	
76-13-1	-----1,1,2-Trichloro-1,2,2-trifluoroethane	12	U	
156-59-2	-----cis-1,2-Dichloroethene	12	U	

DELTA - SOIL ASP 2000/8260 - TCL VOLATILES
TENTATIVELY IDENTIFIED COMPOUNDS

90/3459

Client No.

TP-OW-2

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: C059

Matrix: (soil/water) SOIL Lab Sample ID: A5C05904

Sample wt/vol: 5.17 (g/mL) G Lab File ID: Q8717.RR

Level: (low/med) LOW Date Samp/Recv: 10/24/2005 10/26/2005

% Moisture: not dec. 20.7 Date Analyzed: 11/05/2005

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

Number TICs found: 10 CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

CAS NO.	Compound Name	RT	Est. Conc.	Q
1.	SATURATED HYDROCARBON	9.80	71	J
2.	SATURATED HYDROCARBON	10.07	68	J
3.	TRIMETHYLBENZENE ISOMER	10.20	42	J
4.	UNKNOWN	10.49	42	J
5.	UNKNOWN	10.56	71	J
6.	SATURATED HYDROCARBON	10.83	280	J
7.	UNKNOWN	11.00	61	J
8.	DECAHYDRONAPHTHALENE DER.	11.32	100	J
9.	SATURATED HYDROCARBON	11.68	68	J
10.	TETRAMETHYLBENZENE ISOMER	11.79	72	J

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Lab Name: STL Buffalo

Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: C059Matrix: (soil/water) WATERLab Sample ID: A5C05921Sample wt/vol: 5.00 (g/mL) MLLab File ID: Q8553.RRLevel: (low/med) LOWDate Samp/Recv: 10/25/2005 10/26/2005% Moisture: not dec. _____ Heated Purge: NDate Analyzed: 11/01/2005GC Column: DB-624 ID: 0.25 (mm)Dilution Factor: 1.00

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/L	Q
74-87-3-----	Chloromethane	10	U	
74-83-9-----	Bromomethane	10	U	
75-01-4-----	Vinyl chloride	10	U	
75-00-3-----	Chloroethane	10	U	
75-09-2-----	Methylene chloride	10	U	
67-64-1-----	Acetone	10	U	
75-15-0-----	Carbon Disulfide	10	U	
75-35-4-----	1,1-Dichloroethene	10	U	
75-34-3-----	1,1-Dichloroethane	10	U	
67-66-3-----	Chloroform	10	U	
107-06-2-----	1,2-Dichloroethane	10	U	
78-93-3-----	2-Butanone	10	U	
71-55-6-----	1,1,1-Trichloroethane	10	U	
56-23-5-----	Carbon Tetrachloride	10	U	
75-27-4-----	Bromodichloromethane	10	U	
78-87-5-----	1,2-Dichloropropane	10	U	
10061-01-5----	cis-1,3-Dichloropropene	10	U	
79-01-6-----	Trichloroethene	10	U	
124-48-1-----	Dibromochloromethane	10	U	
79-00-5-----	1,1,2-Trichloroethane	10	U	
71-43-2-----	Benzene	10	U	
10061-02-6----	trans-1,3-Dichloropropene	10	U	
75-25-2-----	Bromoform	10	U	
108-10-1-----	4-Methyl-2-pentanone	10	U	
591-78-6-----	2-Hexanone	10	U	
127-18-4-----	Tetrachloroethene	10	U	
108-88-3-----	Toluene	10	U	
79-34-5-----	1,1,2,2-Tetrachloroethane	10	U	
108-90-7-----	Chlorobenzene	10	U	
100-41-4-----	Ethylbenzene	10	U	
100-42-5-----	Styrene	10	U	
1330-20-7-----	Total Xylenes	10	U	
75-71-8-----	Dichlorodifluoromethane	10	U	
75-69-4-----	Trichlorofluoromethane	10	U	

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Lab Name: STL Buffalo Contract: _____

Lab Code: RECONY Case No.: _____ SAS No.: _____ SDG No.: C059

Matrix: (soil/water) WATER Lab Sample ID: A5C05921

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: Q8553.RR

Level: (low/med) LOW Date Samp/Recv: 10/25/2005 10/26/2005

% Moisture: not dec. _____ Heated Purge: N Date Analyzed: 11/01/2005

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/L Q

76-13-1-----	1,1,2-Trichloro-1,2,2-trifluoroethane	10	U
156-60-5-----	trans-1,2-Dichloroethene	10	U
1634-04-4-----	Methyl-t-Butyl Ether (MTBE)	10	U
156-59-2-----	cis-1,2-Dichloroethene	10	U
110-82-7-----	Cyclohexane	10	U
108-87-2-----	Methylcyclohexane	10	U
106-93-4-----	1,2-Dibromoethane	10	U
98-82-8-----	Isopropylbenzene	10	U
541-73-1-----	1,3-Dichlorobenzene	10	U
106-46-7-----	1,4-Dichlorobenzene	10	U
95-50-1-----	1,2-Dichlorobenzene	10	U
96-12-8-----	1,2-Dibromo-3-chloropropane	10	U
120-82-1-----	1,2,4-Trichlorobenzene	10	U
79-20-9-----	Methyl acetate	10	U

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Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: C059

Matrix: (soil/water) WATER Lab Sample ID: A5C05921

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: Q8553.RR

Level: (low/med) LOW Date Samp/Recv: 10/25/2005 10/26/2005

% Moisture: not dec. _____ Date Analyzed: 11/01/2005

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

Number TICs found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

CAS NO.	Compound Name	RT	Est. Conc.	Q

ASP 2000- METHOD 8270 SEMIVOLATILES
ANALYSIS DATA SHEET

94/3459

Client No.

Lab Name: STL Buffalo

Contract: _____

SED-10

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: C059

Matrix: (soil/water) SOIL

Lab Sample ID: A5C05911

Sample wt/vol: 30.35 (g/mL) G

Lab File ID: V12294.RR

Level: (low/med) LOW

Date Samp/Recv: 10/25/2005 10/26/2005

% Moisture: 67 decanted: (Y/N) N

Date Extracted: 10/27/2005

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 11/03/2005

Injection Volume: 2.00 (uL)

Dilution Factor: 4.00

GPC Cleanup: (Y/N) N pH: 7.3

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/KG Q

100-52-7-----	Benzaldehyde	4000	U
108-95-2-----	Phenol	4000	U
111-44-4-----	Bis(2-chloroethyl) ether	4000	U
95-57-8-----	2-Chlorophenol	4000	U
95-48-7-----	2-Methylphenol	4000	U
108-60-1-----	2,2'-Oxybis(1-Chloropropane)	4000	U
98-86-2-----	Acetophenone	4000	U
106-44-5-----	4-Methylphenol	4000	U
621-64-7-----	N-Nitroso-Di-n-propylamine	4000	U
67-72-1-----	Hexachloroethane	4000	U
98-95-3-----	Nitrobenzene	4000	U
78-59-1-----	Isophorone	4000	U
88-75-5-----	2-Nitrophenol	4000	U
105-67-9-----	2,4-Dimethylphenol	4000	U
111-91-1-----	Bis(2-chloroethoxy) methane	4000	U
120-83-2-----	2,4-Dichlorophenol	4000	U
91-20-3-----	Naphthalene	4000	U
106-47-8-----	4-Chloroaniline	4000	U
87-68-3-----	Hexachlorobutadiene	4000	U
105-60-2-----	Caprolactam	4000	U
59-50-7-----	4-Chloro-3-methylphenol	4000	U
91-57-6-----	2-Methylnaphthalene	4000	U
77-47-4-----	Hexachlorocyclopentadiene	4000	U
88-06-2-----	2,4,6-Trichlorophenol	4000	U
95-95-4-----	2,4,5-Trichlorophenol	4000	U
92-52-4-----	Biphenyl	4000	U
91-58-7-----	2-Chloronaphthalene	4000	U
88-74-4-----	2-Nitroaniline	9700	U
131-11-3-----	Dimethyl phthalate	4000	U
208-96-8-----	Acenaphthylene	270	J
606-20-2-----	2,6-Dinitrotoluene	4000	U
99-09-2-----	3-Nitroaniline	9700	U

ASP 2000- METHOD 8270 SEMIVOLATILES
ANALYSIS DATA SHEET

95/3459

Client No.

SED-10

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: C059

Matrix: (soil/water) SOIL Lab Sample ID: A5C05911

Sample wt/vol: 30.35 (g/mL) G Lab File ID: V12294.RR

Level: (low/med) LOW Date Samp/Recv: 10/25/2005 10/26/2005

% Moisture: 67 decanted: (Y/N) N Date Extracted: 10/27/2005

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 11/03/2005

Injection Volume: 2.00 (uL) Dilution Factor: 4.00

GPC Cleanup: (Y/N) N pH: 7.3

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/KG	Q
83-32-9	Acenaphthene	4000	U	
51-28-5	2,4-Dinitrophenol	9700	U	
100-02-7	4-Nitrophenol	9700	U	
132-64-9	Dibenzofuran	4000	U	
121-14-2	2,4-Dinitrotoluene	4000	U	
84-66-2	Diethyl phthalate	4000	U	
7005-72-3	4-Chlorophenyl phenyl ether	4000	U	
86-73-7	Fluorene	4000	U	
100-01-6	4-Nitroaniline	9700	U	
534-52-1	4,6-Dinitro-2-methylphenol	9700	U	
86-30-6	N-nitrosodiphenylamine	4000	U	
101-55-3	4-Bromophenyl phenyl ether	4000	U	
118-74-1	Hexachlorobenzene	4000	U	
1912-24-9	Atrazine	4000	U	
87-86-5	Pentachlorophenol	9700	U	
85-01-8	Phenanthrene	1400	J	
120-12-7	Anthracene	390	J	
86-74-8	Carbazole	260	J	
84-74-2	Di-n-butyl phthalate	4000	U	
206-44-0	Fluoranthene	4300		
129-00-0	Pyrene	3600	J	
85-68-7	Butyl benzyl phthalate	250	J	
91-94-1	3,3'-Dichlorobenzidine	4000	U	
56-55-3	Benzo (a) anthracene	2000	J	
218-01-9	Chrysene	2200	J	
117-81-7	Bis (2-ethylhexyl) phthalate	360	BJU	
117-84-0	Di-n-octyl phthalate	4000	U	
205-99-2	Benzo (b) fluoranthene	3300	J	
207-08-9	Benzo (k) fluoranthene	1200	J	
50-32-8	Benzo (a) pyrene	2700	J	
193-39-5	Indeno (1,2,3-cd) pyrene	2100	J	
53-70-3	Dibenzo (a,h) anthracene	590	J	

ASP 2000- METHOD 8270 SEMIVOLATILES
ANALYSIS DATA SHEET

96/3459

Client No.

SED-10

Lab Name: STL Buffalo

Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: C059

Matrix: (soil/water) SOIL

Lab Sample ID: A5C05911

Sample wt/vol: 30.35 (g/mL) G

Lab File ID: V12294.RR

Level: (low/med) LOW

Date Samp/Recv: 10/25/2005 10/26/2005

% Moisture: 67 decanted: (Y/N) N

Date Extracted: 10/27/2005

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 11/03/2005

Injection Volume: 2.00 (uL)

Dilution Factor: 4.00

GPC Cleanup: (Y/N) N pH: 7.3

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/KG	Q
191-24-2-----	Benzo(ghi)perylene		2600	J

ASP 2000- METHOD 8270 SEMIVOLATILES
TENTATIVELY IDENTIFIED COMPOUNDS

97/3459

Client No.

SED-10

Lab Name: STL Buffalo Contract: _____

Lab Code: RECONY Case No.: _____ SAS No.: _____ SDG No.: C059

Matrix: (soil/water) SOIL Lab Sample ID: A5C05911

Sample wt/vol: 30.35 (g/mL) G Lab File ID: V12294.RR

Level: (low/med) LOW Date Samp/Recv: 10/25/2005 10/26/2005

% Moisture: 67.5 decanted: (Y/N) N Date Extracted: 10/27/2005

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 11/03/2005

Injection Volume: 2.00 (uL) Dilution Factor: 4.00

GPC Cleanup: (Y/N) N pH: 7.3

Number TICs found: 1

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

CAS NO.	Compound Name	RT	Est. Conc.	Q
1.	UNKNOWN	18.97	900	J

ASP 2000- METHOD 8270 SEMIVOLATILES
ANALYSIS DATA SHEET

98/3459

Client No.

SED-11

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: C059

Matrix: (soil/water) SOIL Lab Sample ID: A5C05912

Sample wt/vol: 30.58 (g/mL) G Lab File ID: V12295.RR

Level: (low/med) LOW Date Samp/Recv: 10/25/2005 10/26/2005

% Moisture: 61 decanted: (Y/N) N Date Extracted: 10/27/2005

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 11/03/2005

Injection Volume: 2.00 (uL) Dilution Factor: 10.00

GPC Cleanup: (Y/N) N pH: 7.0

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/KG Q

100-52-7-----	Benzaldehyde	8200	U
108-95-2-----	Phenol	8200	U
111-44-4-----	Bis(2-chloroethyl) ether	8200	U
95-57-8-----	2-Chlorophenol	8200	U
95-48-7-----	2-Methylphenol	8200	U
108-60-1-----	2,2'-Oxybis(1-Chloropropane)	8200	U
98-86-2-----	Acetophenone	8200	U
106-44-5-----	4-Methylphenol	8200	U
621-64-7-----	N-Nitroso-Di-n-propylamine	8200	U
67-72-1-----	Hexachloroethane	8200	U
98-95-3-----	Nitrobenzene	8200	U
78-59-1-----	Isophorone	8200	U
88-75-5-----	2-Nitrophenol	8200	U
105-67-9-----	2,4-Dimethylphenol	8200	U
111-91-1-----	Bis(2-chloroethoxy) methane	8200	U
120-83-2-----	2,4-Dichlorophenol	8200	U
91-20-3-----	Naphthalene	8200	U
106-47-8-----	4-Chloroaniline	8200	U
87-68-3-----	Hexachlorobutadiene	8200	U
105-60-2-----	Caprolactam	8200	U
59-50-7-----	4-Chloro-3-methylphenol	8200	U
91-57-6-----	2-Methylnaphthalene	8200	U
77-47-4-----	Hexachlorocyclopentadiene	8200	U
88-06-2-----	2,4,6-Trichlorophenol	8200	U
95-95-4-----	2,4,5-Trichlorophenol	8200	U
92-52-4-----	Biphenyl	8200	U
91-58-7-----	2-Chloronaphthalene	8200	U
88-74-4-----	2-Nitroaniline	20000	U
131-11-3-----	Dimethyl phthalate	8200	U
208-96-8-----	Acenaphthylene	630	J
606-20-2-----	2,6-Dinitrotoluene	8200	U
99-09-2-----	3-Nitroaniline	20000	U

ASP 2000- METHOD 8270 SEMIVOLATILES
ANALYSIS DATA SHEET

99/3459

Client No.

SED-11

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: C059

Matrix: (soil/water) SOIL Lab Sample ID: A5C05912

Sample wt/vol: 30.58 (g/mL) G Lab File ID: V12295.RR

Level: (low/med) LOW Date Samp/Recv: 10/25/2005 10/26/2005

% Moisture: 61 decanted: (Y/N) N Date Extracted: 10/27/2005

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 11/03/2005

Injection Volume: 2.00 (uL) Dilution Factor: 10.00

GPC Cleanup: (Y/N) N pH: 7.0

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/KG Q

83-32-9-----	Acenaphthene	8200	U
51-28-5-----	2,4-Dinitrophenol	20000	U
100-02-7-----	4-Nitrophenol	20000	U
132-64-9-----	Dibenzofuran	8200	U
121-14-2-----	2,4-Dinitrotoluene	8200	U
84-66-2-----	Diethyl phthalate	8200	U
7005-72-3-----	4-Chlorophenyl phenyl ether	8200	U
86-73-7-----	Fluorene	250	J
100-01-6-----	4-Nitroaniline	20000	U
534-52-1-----	4,6-Dinitro-2-methylphenol	20000	U
86-30-6-----	N-nitrosodiphenylamine	8200	U
101-55-3-----	4-Bromophenyl phenyl ether	8200	U
118-74-1-----	Hexachlorobenzene	8200	U
1912-24-9-----	Atrazine	8200	U
87-86-5-----	Pentachlorophenol	20000	U
85-01-8-----	Phenanthrene	3200	J
120-12-7-----	Anthracene	860	J
86-74-8-----	Carbazole	580	J
84-74-2-----	Di-n-butyl phthalate	8200	U
206-44-0-----	Fluoranthene	8500	
129-00-0-----	Pyrene	7000	J
85-68-7-----	Butyl benzyl phthalate	580	J
91-94-1-----	3,3'-Dichlorobenzidine	8200	U
56-55-3-----	Benzo (a) anthracene	4200	J
218-01-9-----	Chrysene	4600	J
117-81-7-----	Bis(2-ethylhexyl) phthalate	920	BJ(J)
117-84-0-----	Di-n-octyl phthalate	8200	U
205-99-2-----	Benzo (b) fluoranthene	6800	J
207-08-9-----	Benzo (k) fluoranthene	2400	J
50-32-8-----	Benzo (a) pyrene	5400	J
193-39-5-----	Indeno (1,2,3-cd) pyrene	3600	J
53-70-3-----	Dibenzo (a, h) anthracene	1000	J

ASP 2000- METHOD 8270 SEMIVOLATILES
ANALYSIS DATA SHEET

100/3459

Client No.

Lab Name: STL Buffalo

Contract: _____

SED-11

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: C059

Matrix: (soil/water) SOIL

Lab Sample ID: A5C05912

Sample wt/vol: 30.58 (g/mL) G

Lab File ID: V12295.RR

Level: (low/med) LOW

Date Samp/Recv: 10/25/2005 10/26/2005

% Moisture: 61 decanted: (Y/N) N

Date Extracted: 10/27/2005

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 11/03/2005

Injection Volume: 2.00 (uL)

Dilution Factor: 10.00

GPC Cleanup: (Y/N) N pH: 7.0

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/KG	Q
191-24-2-----	Benzo (ghi) perylene	4300	J	

ASP 2000- METHOD 8270 SEMIVOLATILES
TENTATIVELY IDENTIFIED COMPOUNDS

101/3459

Client No.

SED-11

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: C059

Matrix: (soil/water) SOIL Lab Sample ID: A5C05912

Sample wt/vol: 30.58 (g/mL) G Lab File ID: V12295.RR

Level: (low/med) LOW Date Samp/Recv: 10/25/2005 10/26/2005

% Moisture: 60.7 decanted: (Y/N) N Date Extracted: 10/27/2005

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 11/03/2005

Injection Volume: 2.00 (uL) Dilution Factor: 10.00

GPC Cleanup: (Y/N) N pH: 7.0

Number TICs found: 2

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

CAS NO.	Compound Name	RT	Est. Conc.	Q
1.	UNKNOWN ACID	16.51	2700	J
2.	UNKNOWN	19.84	3600	J

ASP 2000- METHOD 8270 SEMIVOLATILES
ANALYSIS DATA SHEET

102/3459

Client No.

SED-12

Lab Name: STL Buffalo

Contract: _____

Lab Code: RECNY

Case No.: _____

SAS No.: _____

SDG No.: C059

Matrix: (soil/water) SOIL

Lab Sample ID: A5C05913

Sample wt/vol: 30.50 (g/mL) G

Lab File ID: V12296.RR

Level: (low/med) LOW

Date Samp/Recv: 10/25/2005 10/26/2005

% Moisture: 77 decanted: (Y/N) Y

Date Extracted: 10/27/2005

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 11/03/2005

Injection Volume: 2.00 (uL)

Dilution Factor: 5.00

GPC Cleanup: (Y/N) N pH: 7.2

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/KG Q

100-52-7-----	Benzaldehyde	6900	U
108-95-2-----	Phenol	6900	U
111-44-4-----	Bis(2-chloroethyl) ether	6900	U
95-57-8-----	2-Chlorophenol	6900	U
95-48-7-----	2-Methylphenol	6900	U
108-60-1-----	2,2'-Oxybis(1-Chloropropane)	6900	U
98-86-2-----	Acetophenone	6900	U
106-44-5-----	4-Methylphenol	6900	U
621-64-7-----	N-Nitroso-Di-n-propylamine	6900	U
67-72-1-----	Hexachloroethane	6900	U
98-95-3-----	Nitrobenzene	6900	U
78-59-1-----	Isophorone	6900	U
88-75-5-----	2-Nitrophenol	6900	U
105-67-9-----	2,4-Dimethylphenol	6900	U
111-91-1-----	Bis(2-chloroethoxy) methane	6900	U
120-83-2-----	2,4-Dichlorophenol	6900	U
91-20-3-----	Naphthalene	6900	U
106-47-8-----	4-Chloroaniline	6900	U
87-68-3-----	Hexachlorobutadiene	6900	U
105-60-2-----	Caprolactam	6900	U
59-50-7-----	4-Chloro-3-methylphenol	6900	U
91-57-6-----	2-Methylnaphthalene	6900	U
77-47-4-----	Hexachlorocyclopentadiene	6900	U
88-06-2-----	2,4,6-Trichlorophenol	6900	U
95-95-4-----	2,4,5-Trichlorophenol	6900	U
92-52-4-----	Biphenyl	6900	U
91-58-7-----	2-Chloronaphthalene	6900	U
88-74-4-----	2-Nitroaniline	17000	U
131-11-3-----	Dimethyl phthalate	6900	U
208-96-8-----	Acenaphthylene	6900	U
606-20-2-----	2,6-Dinitrotoluene	6900	U
99-09-2-----	3-Nitroaniline	17000	U

ASP 2000- METHOD 8270 SEMIVOLATILES
ANALYSIS DATA SHEET

103/3459

Client No.

SED-12

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: C059

Matrix: (soil/water) SOIL Lab Sample ID: A5C05913

Sample wt/vol: 30.50 (g/mL) G Lab File ID: V12296.RR

Level: (low/med) LOW Date Samp/Recv: 10/25/2005 10/26/2005

% Moisture: 77 decanted: (Y/N) Y Date Extracted: 10/27/2005

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 11/03/2005

Injection Volume: 2.00 (uL) Dilution Factor: 5.00

GPC Cleanup: (Y/N) N pH: 7.2

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/KG	Q
83-32-9-----	Acenaphthene	6900	U	
51-28-5-----	2,4-Dinitrophenol	17000	U	
100-02-7-----	4-Nitrophenol	17000	U	
132-64-9-----	Dibenzofuran	6900	U	
121-14-2-----	2,4-Dinitrotoluene	6900	U	
84-66-2-----	Diethyl phthalate	6900	U	
7005-72-3-----	4-Chlorophenyl phenyl ether	6900	U	
86-73-7-----	Fluorene	6900	U	
100-01-6-----	4-Nitroaniline	17000	U	
534-52-1-----	4,6-Dinitro-2-methylphenol	17000	U	
86-30-6-----	N-nitrosodiphenylamine	6900	U	
101-55-3-----	4-Bromophenyl phenyl ether	6900	U	
118-74-1-----	Hexachlorobenzene	6900	U	
1912-24-9-----	Atrazine	6900	U	
87-86-5-----	Pentachlorophenol	17000	U	
85-01-8-----	Phenanthrene	710	J	
120-12-7-----	Anthracene	210	J	
86-74-8-----	Carbazole	6900	U	
84-74-2-----	Di-n-butyl phthalate	1600	J	
206-44-0-----	Fluoranthene	2200	J	
129-00-0-----	Pyrene	1700	J	
85-68-7-----	Butyl benzyl phthalate	6900	U	
91-94-1-----	3,3'-Dichlorobenzidine	6900	U	
56-55-3-----	Benzo (a) anthracene	930	J	
218-01-9-----	Chrysene	1200	J	
117-81-7-----	Bis(2-ethylhexyl) phthalate	400	BJU	
117-84-0-----	Di-n-octyl phthalate	6900	U	
205-99-2-----	Benzo (b) fluoranthene	1700	J	
207-08-9-----	Benzo (k) fluoranthene	570	J	
50-32-8-----	Benzo (a) pyrene	1200	J	
193-39-5-----	Indeno (1,2,3-cd) pyrene	830	J	
53-70-3-----	Dibenzo (a,h) anthracene	6900	U	

ASP 2000- METHOD 8270 SEMIVOLATILES
ANALYSIS DATA SHEET

104/3459

Client No.

SED-12

Lab Name: STL Buffalo

Contract: _____

Lab Code: RECNY

Case No.: _____

SAS No.: _____

SDG No.: C059

Matrix: (soil/water) SOIL

Lab Sample ID: A5C05913

Sample wt/vol: 30.50 (g/mL) G

Lab File ID: V12296.RR

Level: (low/med) LOW

Date Samp/Recv: 10/25/2005 10/26/2005

% Moisture: 77 decanted: (Y/N) Y

Date Extracted: 10/27/2005

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 11/03/2005

Injection Volume: 2.00 (uL)

Dilution Factor: 5.00

GPC Cleanup: (Y/N) N pH: 7.2

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/KG	Q
191-24-2-----	Benzo (ghi) perylene		990	J

ASP 2000- METHOD 8270 SEMIVOLATILES
TENTATIVELY IDENTIFIED COMPOUNDS

105/3459

Client No.

SED-12

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: C059

Matrix: (soil/water) SOIL Lab Sample ID: A5C05913

Sample wt/vol: 30.50 (g/mL) G Lab File ID: V12296.RR

Level: (low/med) LOW Date Samp/Recv: 10/25/2005 10/26/2005

% Moisture: 76.6 decanted: (Y/N) Y Date Extracted: 10/27/2005

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 11/03/2005

Injection Volume: 2.00 (uL) Dilution Factor: 5.00

GPC Cleanup: (Y/N) N pH: 7.2

Number TICs found: 11

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

CAS NO.	Compound Name	RT	Est. Conc.	Q
1.	METHYLETHYLBENZENE ISOMER	5.58	1900	J
2. 20071-09-4	BENZENE, 1,1'-(1,2-CYCLOBUTAN	12.98	1400	JN
3.	UNKNOWN	15.69	4000	J
4.	UNKNOWN	15.97	5300	J
5.	UNKNOWN	16.01	8400	J
6.	UNKNOWN	16.03	2700	J
7.	UNKNOWN	16.06	2700	J
8.	UNKNOWN	16.32	1600	J
9. 83-46-5	.BETA.SITOSTEROL	18.64	1400	JN
10.	UNKNOWN	18.97	2200	J
11. 559-74-0	FRIEDELAN-3-ONE	20.10	6400	JN

ASP 2000- METHOD 8270 SEMIVOLATILES
ANALYSIS DATA SHEET

106/3459

Client No.

SED-13

Lab Name: STL Buffalo

Contract: _____

Lab Code: RECNY

Case No.: _____

SAS No.: _____

SDG No.: C059

Matrix: (soil/water) SOIL

Lab Sample ID: A5C05914

Sample wt/vol: 30.78 (g/mL) G

Lab File ID: V12297.RR

Level: (low/med) LOW

Date Samp/Recv: 10/25/2005 10/26/2005

% Moisture: 58 decanted: (Y/N) Y

Date Extracted: 10/27/2005

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 11/03/2005

Injection Volume: 2.00 (uL)

Dilution Factor: 10.00

GPC Cleanup: (Y/N) N pH: 7.4

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/KG Q

100-52-7-----	Benzaldehyde	7600	U
108-95-2-----	Phenol	7600	U
111-44-4-----	Bis(2-chloroethyl) ether	7600	U
95-57-8-----	2-Chlorophenol	7600	U
95-48-7-----	2-Methylphenol	7600	U
108-60-1-----	2,2'-Oxybis(1-Chloropropane)	7600	U
98-86-2-----	Acetophenone	7600	U
106-44-5-----	4-Methylphenol	7600	U
621-64-7-----	N-Nitroso-Di-n-propylamine	7600	U
67-72-1-----	Hexachloroethane	7600	U
98-95-3-----	Nitrobenzene	7600	U
78-59-1-----	Isophorone	7600	U
88-75-5-----	2-Nitrophenol	7600	U
105-67-9-----	2,4-Dimethylphenol	7600	U
111-91-1-----	Bis(2-chloroethoxy) methane	7600	U
120-83-2-----	2,4-Dichlorophenol	7600	U
91-20-3-----	Naphthalene	7600	U
106-47-8-----	4-Chloroaniline	7600	U
87-68-3-----	Hexachlorobutadiene	7600	U
105-60-2-----	Caprolactam	7600	U
59-50-7-----	4-Chloro-3-methylphenol	7600	U
91-57-6-----	2-Methylnaphthalene	7600	U
77-47-4-----	Hexachlorocyclopentadiene	7600	U
88-06-2-----	2,4,6-Trichlorophenol	7600	U
95-95-4-----	2,4,5-Trichlorophenol	7600	U
92-52-4-----	Biphenyl	7600	U
91-58-7-----	2-Chloronaphthalene	7600	U
88-74-4-----	2-Nitroaniline	18000	U
131-11-3-----	Dimethyl phthalate	7600	U
208-96-8-----	Acenaphthylene	250	J
606-20-2-----	2,6-Dinitrotoluene	7600	U
99-09-2-----	3-Nitroaniline	18000	U

ASP 2000- METHOD 8270 SEMIVOLATILES
ANALYSIS DATA SHEET

107/3459

Client No.

SED-13

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: C059

Matrix: (soil/water) SOIL Lab Sample ID: A5C05914

Sample wt/vol: 30.78 (g/mL) G Lab File ID: V12297.RR

Level: (low/med) LOW Date Samp/Recv: 10/25/2005 10/26/2005

% Moisture: 58 decanted: (Y/N) Y Date Extracted: 10/27/2005

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 11/03/2005

Injection Volume: 2.00 (uL) Dilution Factor: 10.00

GPC Cleanup: (Y/N) N pH: 7.4

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/KG Q

83-32-9-----	Acenaphthene	7600	U
51-28-5-----	2,4-Dinitrophenol	18000	U
100-02-7-----	4-Nitrophenol	18000	U
132-64-9-----	Dibenzofuran	7600	U
121-14-2-----	2,4-Dinitrotoluene	7600	U
84-66-2-----	Diethyl phthalate	7600	U
7005-72-3-----	4-Chlorophenyl phenyl ether	7600	U
86-73-7-----	Fluorene	7600	U
100-01-6-----	4-Nitroaniline	18000	U
534-52-1-----	4,6-Dinitro-2-methylphenol	18000	U
86-30-6-----	N-nitrosodiphenylamine	7600	U
101-55-3-----	4-Bromophenyl phenyl ether	7600	U
118-74-1-----	Hexachlorobenzene	7600	U
1912-24-9-----	Atrazine	7600	U
87-86-5-----	Pentachlorophenol	18000	U
85-01-8-----	Phenanthrene	1400	J
120-12-7-----	Anthracene	310	J
86-74-8-----	Carbazole	7600	U
84-74-2-----	Di-n-butyl phthalate	7600	U
206-44-0-----	Fluoranthene	3900	J
129-00-0-----	Pyrene	3200	J
85-68-7-----	Butyl benzyl phthalate	7600	U
91-94-1-----	3,3'-Dichlorobenzidine	7600	U
56-55-3-----	Benzo(a)anthracene	1600	J
218-01-9-----	Chrysene	2200	J
117-81-7-----	Bis(2-ethylhexyl) phthalate	7600	U
117-84-0-----	Di-n-octyl phthalate	7600	U
205-99-2-----	Benzo(b)fluoranthene	3200	J
207-08-9-----	Benzo(k)fluoranthene	1100	J
50-32-8-----	Benzo(a)pyrene	2300	J
193-39-5-----	Indeno(1,2,3-cd)pyrene	1500	J
53-70-3-----	Dibenzo(a,h)anthracene	400	J

ASP 2000- METHOD 8270 SEMIVOLATILES
ANALYSIS DATA SHEET

108/3459

Client No.

SED-13

Lab Name: STL Buffalo

Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: C059

Matrix: (soil/water) SOIL

Lab Sample ID: A5C05914

Sample wt/vol: 30.78 (g/mL) G

Lab File ID: V12297.RR

Level: (low/med) LOW

Date Samp/Recv: 10/25/2005 10/26/2005

% Moisture: 58 decanted: (Y/N) Y

Date Extracted: 10/27/2005

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 11/03/2005

Injection Volume: 2.00 (uL)

Dilution Factor: 10.00

GPC Cleanup: (Y/N) N pH: 7.4

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/KG	Q
191-24-2-----	Benzo (ghi) perylene	1800		J

ASP 2000- METHOD 8270 SEMIVOLATILES
TENTATIVELY IDENTIFIED COMPOUNDS

109/3459

Client No.

SED-13

Lab Name: STL Buffalo Contract: _____

Lab Code: REONY Case No.: _____ SAS No.: _____ SDG No.: C059

Matrix: (soil/water) SOIL Lab Sample ID: A5C05914

Sample wt/vol: 30.78 (g/mL) G Lab File ID: V12297.RR

Level: (low/med) LOW Date Samp/Recv: 10/25/2005 10/26/2005

% Moisture: 57.9 decanted: (Y/N) Y Date Extracted: 10/27/2005

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 11/03/2005

Injection Volume: 2.00 (uL) Dilution Factor: 10.00

GPC Cleanup: (Y/N) N pH: 7.4

Number TICs found: 2

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

CAS NO.	Compound Name	RT	Est. Conc.	Q
1.	UNKNOWN PAH DER.	17.02	1700	J
2.	UNKNOWN	20.10	2700	J

ASP 2000- METHOD 8270 SEMIVOLATILES
ANALYSIS DATA SHEET

110/3459

Client No.

SED-14

Lab Name: STL Buffalo

Contract: _____

Lab Code: RECNY

Case No.: _____

SAS No.: _____

SDG No.: C059

Matrix: (soil/water) SOIL

Lab Sample ID: A5C05915

Sample wt/vol: 30.70 (g/mL) G

Lab File ID: V12298.RR

Level: (low/med) LOW

Date Samp/Recv: 10/25/2005 10/26/2005

% Moisture: 57 decanted: (Y/N) N

Date Extracted: 10/27/2005

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 11/03/2005

Injection Volume: 2.00 (uL)

Dilution Factor: 10.00

GPC Cleanup: (Y/N) N pH: 7.2

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/KG Q

100-52-7-----	Benzaldehyde	7400	U
108-95-2-----	Phenol	7400	U
111-44-4-----	Bis(2-chloroethyl) ether	7400	U
95-57-8-----	2-Chlorophenol	7400	U
95-48-7-----	2-Methylphenol	7400	U
108-60-1-----	2,2'-Oxybis(1-Chloropropane)	7400	U
98-86-2-----	Acetophenone	7400	U
106-44-5-----	4-Methylphenol	7400	U
621-64-7-----	N-Nitroso-Di-n-propylamine	7400	U
67-72-1-----	Hexachloroethane	7400	U
98-95-3-----	Nitrobenzene	7400	U
78-59-1-----	Isophorone	7400	U
88-75-5-----	2-Nitrophenol	7400	U
105-67-9-----	2,4-Dimethylphenol	7400	U
111-91-1-----	Bis(2-chloroethoxy) methane	7400	U
120-83-2-----	2,4-Dichlorophenol	7400	U
91-20-3-----	Naphthalene	7400	U
106-47-8-----	4-Chloroaniline	7400	U
87-68-3-----	Hexachlorobutadiene	7400	U
105-60-2-----	Caprolactam	7400	U
59-50-7-----	4-Chloro-3-methylphenol	7400	U
91-57-6-----	2-Methylnaphthalene	7400	U
77-47-4-----	Hexachlorocyclopentadiene	7400	U
88-06-2-----	2,4,6-Trichlorophenol	7400	U
95-95-4-----	2,4,5-Trichlorophenol	7400	U
92-52-4-----	Biphenyl	7400	U
91-58-7-----	2-Chloronaphthalene	7400	U
88-74-4-----	2-Nitroaniline	18000	U
131-11-3-----	Dimethyl phthalate	7400	U
208-96-8-----	Acenaphthylene	230	J
606-20-2-----	2,6-Dinitrotoluene	7400	U
99-09-2-----	3-Nitroaniline	18000	U

ASP 2000- METHOD 8270 SEMIVOLATILES
ANALYSIS DATA SHEET

111/3459

Client No.

SED-14

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: C059

Matrix: (soil/water) SOIL Lab Sample ID: A5C05915

Sample wt/vol: 30.70 (g/mL) G Lab File ID: V12298.RR

Level: (low/med) LOW Date Samp/Recv: 10/25/2005 10/26/2005

% Moisture: 57 decanted: (Y/N) N Date Extracted: 10/27/2005

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 11/03/2005

Injection Volume: 2.00 (uL) Dilution Factor: 10.00

GPC Cleanup: (Y/N) N pH: 7.2

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/KG Q

83-32-9-----	Acenaphthene	7400	U
51-28-5-----	2,4-Dinitrophenol	18000	U
100-02-7-----	4-Nitrophenol	18000	U
132-64-9-----	Dibenzofuran	7400	U
121-14-2-----	2,4-Dinitrotoluene	7400	U
84-66-2-----	Diethyl phthalate	7400	U
7005-72-3-----	4-Chlorophenyl phenyl ether	7400	U
86-73-7-----	Fluorene	7400	U
100-01-6-----	4-Nitroaniline	18000	U
534-52-1-----	4,6-Dinitro-2-methylphenol	18000	U
86-30-6-----	N-nitrosodiphenylamine	7400	U
101-55-3-----	4-Bromophenyl phenyl ether	7400	U
118-74-1-----	Hexachlorobenzene	7400	U
1912-24-9-----	Atrazine	7400	U
87-86-5-----	Pentachlorophenol	18000	U
85-01-8-----	Phenanthrene	1500	J
120-12-7-----	Anthracene	320	J
86-74-8-----	Carbazole	7400	U
84-74-2-----	Di-n-butyl phthalate	7400	U
206-44-0-----	Fluoranthene	4200	J
129-00-0-----	Pyrene	3300	J
85-68-7-----	Butyl benzyl phthalate	7400	U
91-94-1-----	3,3'-Dichlorobenzidine	7400	U
56-55-3-----	Benzo(a) anthracene	1600	J
218-01-9-----	Chrysene	2300	J
117-81-7-----	Bis(2-ethylhexyl) phthalate	450	BJU
117-84-0-----	Di-n-octyl phthalate	7400	U
205-99-2-----	Benzo(b) fluoranthene	3200	J
207-08-9-----	Benzo(k) fluoranthene	1100	J
50-32-8-----	Benzo(a) pyrene	2300	J
193-39-5-----	Indeno(1,2,3-cd)pyrene	1500	J
53-70-3-----	Dibenzo(a,h) anthracene	370	J

ASP 2000- METHOD 8270 SEMIVOLATILES
ANALYSIS DATA SHEET

112/3459

Client No.

SED-14

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: C059

Matrix: (soil/water) SOIL Lab Sample ID: A5C05915

Sample wt/vol: 30.70 (g/mL) G Lab File ID: V12298.RR

Level: (low/med) LOW Date Samp/Recv: 10/25/2005 10/26/2005

% Moisture: 57 decanted: (Y/N) N Date Extracted: 10/27/2005

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 11/03/2005

Injection Volume: 2.00 (uL) Dilution Factor: 10.00

GPC Cleanup: (Y/N) N pH: 7.2

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/KG	Q
191-24-2-----	Benzo(ghi)perylene	1700	J	

ASP 2000- METHOD 8270 SEMIVOLATILES
TENTATIVELY IDENTIFIED COMPOUNDS

113/3459

Client No.

SED-14

Lab Name: STL Buffalo Contract: _____

Lab Code: RECN Case No.: _____ SAS No.: _____ SDG No.: C059

Matrix: (soil/water) SOIL Lab Sample ID: A5C05915

Sample wt/vol: 30.70 (g/mL) G Lab File ID: V12298.RR

Level: (low/med) LOW Date Samp/Recv: 10/25/2005 10/26/2005

% Moisture: 56.6 decanted: (Y/N) N Date Extracted: 10/27/2005

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 11/03/2005

Injection Volume: 2.00 (uL) Dilution Factor: 10.00

GPC Cleanup: (Y/N) N pH: 7.2

Number TICs found: 1

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

CAS NO.	Compound Name	RT	Est. Conc.	Q
1.	UNKNOWN PAH DER.	17.02	1900	J

ASP 2000- METHOD 8270 SEMIVOLATILES
ANALYSIS DATA SHEET

114/3459

Client No.

SED-15

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: C059

Matrix: (soil/water) SOIL Lab Sample ID: A5C05916

Sample wt/vol: 30.37 (g/mL) G Lab File ID: V12299.RR

Level: (low/med) LOW Date Samp/Recv: 10/25/2005 10/26/2005

% Moisture: 80 decanted: (Y/N) Y Date Extracted: 10/27/2005

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 11/03/2005

Injection Volume: 2.00 (uL) Dilution Factor: 10.00

GPC Cleanup: (Y/N) N pH: 7.1

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/KG Q

100-52-7-----	Benzaldehyde	16000	U
108-95-2-----	Phenol	16000	U
111-44-4-----	Bis(2-chloroethyl) ether	16000	U
95-57-8-----	2-Chlorophenol	16000	U
95-48-7-----	2-Methylphenol	16000	U
108-60-1-----	2,2'-Oxybis(1-Chloropropane)	16000	U
98-86-2-----	Acetophenone	16000	U
106-44-5-----	4-Methylphenol	16000	U
621-64-7-----	N-Nitroso-Di-n-propylamine	16000	U
67-72-1-----	Hexachloroethane	16000	U
98-95-3-----	Nitrobenzene	16000	U
78-59-1-----	Isophorone	16000	U
88-75-5-----	2-Nitrophenol	16000	U
105-67-9-----	2,4-Dimethylphenol	16000	U
111-91-1-----	Bis(2-chloroethoxy) methane	16000	U
120-83-2-----	2,4-Dichlorophenol	16000	U
91-20-3-----	Naphthalene	16000	U
106-47-8-----	4-Chloroaniline	16000	U
87-68-3-----	Hexachlorobutadiene	16000	U
105-60-2-----	Caprolactam	16000	U
59-50-7-----	4-Chloro-3-methylphenol	16000	U
91-57-6-----	2-Methylnaphthalene	16000	U
77-47-4-----	Hexachlorocyclopentadiene	16000	U
88-06-2-----	2,4,6-Trichlorophenol	16000	U
95-95-4-----	2,4,5-Trichlorophenol	16000	U
92-52-4-----	Biphenyl	16000	U
91-58-7-----	2-Chloronaphthalene	16000	U
88-74-4-----	2-Nitroaniline	39000	U
131-11-3-----	Dimethyl phthalate	16000	U
208-96-8-----	Acenaphthylene	700	J
606-20-2-----	2,6-Dinitrotoluene	16000	U
99-09-2-----	3-Nitroaniline	39000	U

ASP 2000- METHOD 8270 SEMIVOLATILES
ANALYSIS DATA SHEET

115/3459

Client No.

SED-15

Lab Name: STL Buffalo

Contract: _____

Lab Code: RECNY

Case No.: _____

SAS No.: _____

SDG No.: C059

Matrix: (soil/water) SOIL

Lab Sample ID: A5C05916

Sample wt/vol: 30.37 (g/mL) G

Lab File ID: V12299.RR

Level: (low/med) LOW

Date Samp/Recv: 10/25/2005 10/26/2005

% Moisture: 80 decanted: (Y/N) Y

Date Extracted: 10/27/2005

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 11/03/2005

Injection Volume: 2.00 (uL)

Dilution Factor: 10.00

GPC Cleanup: (Y/N) N pH: 7.1

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/KG Q

83-32-9	Acenaphthene	16000	U
51-28-5	2,4-Dinitrophenol	39000	U
100-02-7	4-Nitrophenol	39000	U
132-64-9	Dibenzofuran	16000	U
121-14-2	2,4-Dinitrotoluene	16000	U
84-66-2	Diethyl phthalate	16000	U
7005-72-3	4-Chlorophenyl phenyl ether	16000	U
86-73-7	Fluorene	16000	U
100-01-6	4-Nitroaniline	39000	U
534-52-1	4,6-Dinitro-2-methylphenol	39000	U
86-30-6	N-nitrosodiphenylamine	16000	U
101-55-3	4-Bromophenyl phenyl ether	16000	U
118-74-1	Hexachlorobenzene	16000	U
1912-24-9	Atrazine	16000	U
87-86-5	Pentachlorophenol	39000	U
85-01-8	Phenanthrene	1200	J
120-12-7	Anthracene	580	J
86-74-8	Carbazole	16000	U
84-74-2	Di-n-butyl phthalate	16000	U
206-44-0	Fluoranthene	2600	J
129-00-0	Pyrene	2400	J
85-68-7	Butyl benzyl phthalate	16000	U
91-94-1	3,3'-Dichlorobenzidine	16000	U
56-55-3	Benzo(a)anthracene	1000	J
218-01-9	Chrysene	1600	J
117-81-7	Bis(2-ethylhexyl) phthalate	16000	U
117-84-0	Di-n-octyl phthalate	16000	U
205-99-2	Benzo(b)fluoranthene	2300	J
207-08-9	Benzo(k)fluoranthene	16000	U
50-32-8	Benzo(a)pyrene	1800	J
193-39-5	Indeno(1,2,3-cd)pyrene	1100	J
53-70-3	Dibenzo(a,h)anthracene	16000	U

ASP 2000- METHOD 8270 SEMIVOLATILES
ANALYSIS DATA SHEET

116/3459

Client No.

SED-15

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: C059

Matrix: (soil/water) SOIL Lab Sample ID: A5C05916

Sample wt/vol: 30.37 (g/mL) G Lab File ID: V12299.RR

Level: (low/med) LOW Date Samp/Recv: 10/25/2005 10/26/2005

% Moisture: 80 decanted: (Y/N) Y Date Extracted: 10/27/2005

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 11/03/2005

Injection Volume: 2.00 (uL) Dilution Factor: 10.00

GPC Cleanup: (Y/N) N pH: 7.1

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/KG	Q
191-24-2-----	Benzo(ghi)perylene		1300	J

ASP 2000- METHOD 8270 SEMIVOLATILES
TENTATIVELY IDENTIFIED COMPOUNDS

117/3459

Client No.

SED-15

Lab Name: STL Buffalo

Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: C059

Matrix: (soil/water) SOIL

Lab Sample ID: A5C05916

Sample wt/vol: 30.37 (g/mL) G

Lab File ID: V12299.RR

Level: (low/med) LOW

Date Samp/Recv: 10/25/2005 10/26/2005

% Moisture: 79.6 decanted: (Y/N) Y

Date Extracted: 10/27/2005

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 11/03/2005

Injection Volume: 2.00 (uL)

Dilution Factor: 10.00

GPC Cleanup: (Y/N) N pH: 7.1

Number TICs found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

CAS NO.	Compound Name	RT	Est. Conc.	Q

ASP 2000- METHOD 8270 SEMIVOLATILES
ANALYSIS DATA SHEET

118/3459

Client No.

SED-16

Lab Name: STL Buffalo

Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: C059

Matrix: (soil/water) SOIL

Lab Sample ID: A5C05917

Sample wt/vol: 30.32 (g/mL) G

Lab File ID: V12300.RR

Level: (low/med) LOW

Date Samp/Recv: 10/25/2005 10/26/2005

% Moisture: 83 decanted: (Y/N) N

Date Extracted: 10/27/2005

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 11/03/2005

Injection Volume: 2.00 (uL)

Dilution Factor: 10.00

GPC Cleanup: (Y/N) N pH: 7.0

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/KG Q

100-52-7-----	Benzaldehyde	19000	U
108-95-2-----	Phenol	19000	U
111-44-4-----	Bis(2-chloroethyl) ether	19000	U
95-57-8-----	2-Chlorophenol	19000	U
95-48-7-----	2-Methylphenol	19000	U
108-60-1-----	2,2'-Oxybis(1-Chloropropane)	19000	U
98-86-2-----	Acetophenone	19000	U
106-44-5-----	4-Methylphenol	19000	U
621-64-7-----	N-Nitroso-Di-n-propylamine	19000	U
67-72-1-----	Hexachloroethane	19000	U
98-95-3-----	Nitrobenzene	19000	U
78-59-1-----	Isophorone	19000	U
88-75-5-----	2-Nitrophenol	19000	U
105-67-9-----	2,4-Dimethylphenol	19000	U
111-91-1-----	Bis(2-chloroethoxy) methane	19000	U
120-83-2-----	2,4-Dichlorophenol	19000	U
91-20-3-----	Naphthalene	19000	U
106-47-8-----	4-Chloroaniline	19000	U
87-68-3-----	Hexachlorobutadiene	19000	U
105-60-2-----	Caprolactam	19000	U
59-50-7-----	4-Chloro-3-methylphenol	19000	U
91-57-6-----	2-Methylnaphthalene	19000	U
77-47-4-----	Hexachlorocyclopentadiene	19000	U
88-06-2-----	2,4,6-Trichlorophenol	19000	U
95-95-4-----	2,4,5-Trichlorophenol	19000	U
92-52-4-----	Biphenyl	19000	U
91-58-7-----	2-Chloronaphthalene	19000	U
88-74-4-----	2-Nitroaniline	46000	U
131-11-3-----	Dimethyl phthalate	19000	U
208-96-8-----	Acenaphthylene	800	J
606-20-2-----	2,6-Dinitrotoluene	19000	U
99-09-2-----	3-Nitroaniline	46000	U

ASP 2000- METHOD 8270 SEMIVOLATILES
ANALYSIS DATA SHEET

119/3459

Client No.

SED-16

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: C059

Matrix: (soil/water) SOIL Lab Sample ID: A5C05917

Sample wt/vol: 30.32 (g/mL) G Lab File ID: V12300.RR

Level: (low/med) LOW Date Samp/Recv: 10/25/2005 10/26/2005

% Moisture: 83 decanted: (Y/N) N Date Extracted: 10/27/2005

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 11/03/2005

Injection Volume: 2.00 (uL) Dilution Factor: 10.00

GPC Cleanup: (Y/N) N pH: 7.0

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/KG	Q
83-32-9	Acenaphthene	19000	U	
51-28-5	2,4-Dinitrophenol	46000	U	
100-02-7	4-Nitrophenol	46000	U	
132-64-9	Dibenzofuran	19000	U	
121-14-2	2,4-Dinitrotoluene	19000	U	
84-66-2	Diethyl phthalate	19000	U	
7005-72-3	4-Chlorophenyl phenyl ether	19000	U	
86-73-7	Fluorene	19000	U	
100-01-6	4-Nitroaniline	46000	U	
534-52-1	4,6-Dinitro-2-methylphenol	46000	U	
86-30-6	N-nitrosodiphenylamine	19000	U	
101-55-3	4-Bromophenyl phenyl ether	19000	U	
118-74-1	Hexachlorobenzene	19000	U	
1912-24-9	Atrazine	19000	U	
87-86-5	Pentachlorophenol	46000	U	
85-01-8	Phenanthrene	1000	J	
120-12-7	Anthracene	660	J	
86-74-8	Carbazole	19000	U	
84-74-2	Di-n-butyl phthalate	19000	U	
206-44-0	Fluoranthene	2500	J	
129-00-0	Pyrene	2300	J	
85-68-7	Butyl benzyl phthalate	19000	U	
91-94-1	3,3'-Dichlorobenzidine	19000	U	
56-55-3	Benzo(a) anthracene	1000	J	
218-01-9	Chrysene	1500	J	
117-81-7	Bis(2-ethylhexyl) phthalate	19000	U	
117-84-0	Di-n-octyl phthalate	19000	U	
205-99-2	Benzo(b) fluoranthene	1800	J	
207-08-9	Benzo(k) fluoranthene	19000	U	
50-32-8	Benzo(a) pyrene	1500	J	
193-39-5	Indeno(1,2,3-cd) pyrene	930	J	
53-70-3	Dibenzo(a,h) anthracene	19000	U	

ASP 2000- METHOD 8270 SEMIVOLATILES
ANALYSIS DATA SHEET

120/3459

Client No.

SED-16

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: C059

Matrix: (soil/water) SOIL Lab Sample ID: A5C05917

Sample wt/vol: 30.32 (g/mL) G Lab File ID: V12300.RR

Level: (low/med) LOW Date Samp/Recv: 10/25/2005 10/26/2005

% Moisture: 83 decanted: (Y/N) N Date Extracted: 10/27/2005

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 11/03/2005

Injection Volume: 2.00 (uL) Dilution Factor: 10.00

GPC Cleanup: (Y/N) N pH: 7.0

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/KG	Q
191-24-2-----	Benzo(ghi)perylene	1000	J	

ASP 2000- METHOD 8270 SEMIVOLATILES
TENTATIVELY IDENTIFIED COMPOUNDS

121/3459

Client No.

SED-16

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: C059

Matrix: (soil/water) SOIL

Lab Sample ID: A5C05917

Sample wt/vol: 30.32 (g/mL) G

Lab File ID: V12300.RR

Level: (low/med) LOW

Date Samp/Recv: 10/25/2005 10/26/2005

% Moisture: 82.9 decanted: (Y/N) N

Date Extracted: 10/27/2005

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 11/03/2005

Injection Volume: 2.00 (uL)

Dilution Factor: 10.00

GPC Cleanup: (Y/N) N pH: 7.0

Number TICs found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

CAS NO.	Compound Name	RT	Est. Conc.	Q

ASP 2000- METHOD 8270 SEMIVOLATILES
ANALYSIS DATA SHEET

122/3459

Client No.

SED-17

Lab Name: STL Buffalo

Contract: _____

Lab Code: RECN Case No.: _____ SAS No.: _____ SDG No.: C059

Matrix: (soil/water) SOIL

Lab Sample ID: A5C05918

Sample wt/vol: 30.30 (g/mL) G

Lab File ID: V12348.RR

Level: (low/med) LOW

Date Samp/Recv: 10/25/2005 10/26/2005

% Moisture: 85 decanted: (Y/N) N

Date Extracted: 10/27/2005

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 11/09/2005

Injection Volume: 2.00 (uL)

Dilution Factor: 4.00

GPC Cleanup: (Y/N) N pH: 6.9

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/KG	Q
100-52-7	Benzaldehyde	8700	U	
108-95-2	Phenol	8700	U	
111-44-4	Bis(2-chloroethyl) ether	8700	U	
95-57-8	2-Chlorophenol	8700	U	
95-48-7	2-Methylphenol	8700	U	
108-60-1	2,2'-Oxybis(1-Chloropropane)	8700	U	
98-86-2	Acetophenone	8700	U	
106-44-5	4-Methylphenol	8700	U	
621-64-7	N-Nitroso-Di-n-propylamine	8700	U	
67-72-1	Hexachloroethane	8700	U	
98-95-3	Nitrobenzene	8700	U	
78-59-1	Isophorone	8700	U	
88-75-5	2-Nitrophenol	8700	U	
105-67-9	2,4-Dimethylphenol	8700	U	
111-91-1	Bis(2-chloroethoxy) methane	8700	U	
120-83-2	2,4-Dichlorophenol	8700	U	
91-20-3	Naphthalene	8700	U	
106-47-8	4-Chloroaniline	8700	U	
87-68-3	Hexachlorobutadiene	8700	U	
105-60-2	Caprolactam	8700	U	
59-50-7	4-Chloro-3-methylphenol	8700	U	
91-57-6	2-Methylnaphthalene	8700	U	
77-47-4	Hexachlorocyclopentadiene	8700	U	
88-06-2	2,4,6-Trichlorophenol	8700	U	
95-95-4	2,4,5-Trichlorophenol	8700	U	
92-52-4	Biphenyl	8700	U	
91-58-7	2-Chloronaphthalene	8700	U	
88-74-4	2-Nitroaniline	21000	U	
131-11-3	Dimethyl phthalate	8700	U	
208-96-8	Acenaphthylene	8700	U	
606-20-2	2,6-Dinitrotoluene	8700	U	
99-09-2	3-Nitroaniline	21000	U	

ASP 2000- METHOD 8270 SEMIVOLATILES
ANALYSIS DATA SHEET

123/3459

Client No.

SED-17

Lab Name: STL Buffalo

Contract: _____

Lab Code: RECNY

Case No.: _____

SAS No.: _____

SDG No.: C059

Matrix: (soil/water) SOIL

Lab Sample ID: A5C05918

Sample wt/vol: 30.30 (g/mL) G

Lab File ID: V12348.RR

Level: (low/med) LOW

Date Samp/Recv: 10/25/2005 10/26/2005

% Moisture: 85 decanted: (Y/N) N

Date Extracted: 10/27/2005

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 11/09/2005

Injection Volume: 2.00 (uL)

Dilution Factor: 4.00

GPC Cleanup: (Y/N) N pH: 6.9

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/KG Q

83-32-9-----	Acenaphthene	8700	U
51-28-5-----	2,4-Dinitrophenol	21000	U
100-02-7-----	4-Nitrophenol	21000	U
132-64-9-----	Dibenzofuran	8700	U
121-14-2-----	2,4-Dinitrotoluene	8700	U
84-66-2-----	Diethyl phthalate	8700	U
7005-72-3-----	4-Chlorophenyl phenyl ether	8700	U
86-73-7-----	Fluorene	8700	U
100-01-6-----	4-Nitroaniline	21000	U
534-52-1-----	4,6-Dinitro-2-methylphenol	21000	U
86-30-6-----	N-nitrosodiphenylamine	8700	U
101-55-3-----	4-Bromophenyl phenyl ether	8700	U
118-74-1-----	Hexachlorobenzene	8700	U
1912-24-9-----	Atrazine	8700	U
87-86-5-----	Pentachlorophenol	21000	U
85-01-8-----	Phenanthrene	520	J
120-12-7-----	Anthracene	8700	U
86-74-8-----	Carbazole	8700	U
84-74-2-----	Di-n-butyl phthalate	8700	U
206-44-0-----	Fluoranthene	1200	J
129-00-0-----	Pyrene	950	J
85-68-7-----	Butyl benzyl phthalate	8700	U
91-94-1-----	3,3'-Dichlorobenzidine	8700	U
56-55-3-----	Benzo(a)anthracene	560	J
218-01-9-----	Chrysene	580	J
117-81-7-----	Bis(2-ethylhexyl) phthalate	8700	U
117-84-0-----	Di-n-octyl phthalate	8700	U
205-99-2-----	Benzo(b)fluoranthene	980	J
207-08-9-----	Benzo(k)fluoranthene	8700	U
50-32-8-----	Benzo(a)pyrene	670	J
193-39-5-----	Indeno(1,2,3-cd)pyrene	460	J
53-70-3-----	Dibenzo(a,h)anthracene	8700	U

ASP 2000- METHOD 8270 SEMIVOLATILES
ANALYSIS DATA SHEET

124/3459

Client No.

SED-17

Lab Name: STL Buffalo

Contract: _____

Lab Code: RECNY

Case No.: _____

SAS No.: _____

SDG No.: C059

Matrix: (soil/water) SOIL

Lab Sample ID: A5C05918

Sample wt/vol: 30.30 (g/mL) G

Lab File ID: V12348.RR

Level: (low/med) LOW

Date Samp/Recv: 10/25/2005 10/26/2005

% Moisture: 85 decanted: (Y/N) N

Date Extracted: 10/27/2005

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 11/09/2005

Injection Volume: 2.00 (uL)

Dilution Factor: 4.00

GPC Cleanup: (Y/N) N pH: 6.9

CONCENTRATION UNITS:

(ug/L or ug/Kg)

UG/KG

Q

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg)	Q
191-24-2-----	Benzo(ghi)perylene	530	J

ASP 2000- METHOD 8270 SEMIVOLATILES
TENTATIVELY IDENTIFIED COMPOUNDS

125/3459

Client No.

SED-17

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: C059

Matrix: (soil/water) SOIL Lab Sample ID: A5C05918

Sample wt/vol: 30.30 (g/mL) G Lab File ID: V12348.RR

Level: (low/med) LOW Date Samp/Recv: 10/25/2005 10/26/2005

% Moisture: 85.0 decanted: (Y/N) N Date Extracted: 10/27/2005

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 11/09/2005

Injection Volume: 2.00 (uL) Dilution Factor: 4.00

GPC Cleanup: (Y/N) N pH: 6.9

Number TICs found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

CAS NO.	Compound Name	RT	Est. Conc.	Q

ASP 2000- METHOD 8270 SEMIVOLATILES
ANALYSIS DATA SHEET

126/3459

Client No.

SED-18

Lab Name: STL Buffalo

Contract: _____

Lab Code: RECONY

Case No.: _____

SAS No.: _____

SDG No.: C059

Matrix: (soil/water) SOIL

Lab Sample ID: A5C05919

Sample wt/vol: 30.19 (g/mL) G

Lab File ID: V12349.RR

Level: (low/med) LOW

Date Samp/Recv: 10/25/2005 10/26/2005

% Moisture: 76 decanted: (Y/N) N

Date Extracted: 10/27/2005

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 11/09/2005

Injection Volume: 2.00 (uL)

Dilution Factor: 4.00

GPC Cleanup: (Y/N) N pH: 7.2

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/KG Q

100-52-7-----	Benzaldehyde	5500	U
108-95-2-----	Phenol	5500	U
111-44-4-----	Bis(2-chloroethyl) ether	5500	U
95-57-8-----	2-Chlorophenol	5500	U
95-48-7-----	2-Methylphenol	5500	U
108-60-1-----	2,2'-Oxybis(1-Chloropropane)	5500	U
98-86-2-----	Acetophenone	5500	U
106-44-5-----	4-Methylphenol	5500	U
621-64-7-----	N-Nitroso-Di-n-propylamine	5500	U
67-72-1-----	Hexachloroethane	5500	U
98-95-3-----	Nitrobenzene	5500	U
78-59-1-----	Isophorone	5500	U
88-75-5-----	2-Nitrophenol	5500	U
105-67-9-----	2,4-Dimethylphenol	5500	U
111-91-1-----	Bis(2-chloroethoxy) methane	5500	U
120-83-2-----	2,4-Dichlorophenol	5500	U
91-20-3-----	Naphthalene	5500	U
106-47-8-----	4-Chloroaniline	5500	U
87-68-3-----	Hexachlorobutadiene	5500	U
105-60-2-----	Caprolactam	5500	U
59-50-7-----	4-Chloro-3-methylphenol	5500	U
91-57-6-----	2-Methylnaphthalene	5500	U
77-47-4-----	Hexachlorocyclopentadiene	5500	U
88-06-2-----	2,4,6-Trichlorophenol	5500	U
95-95-4-----	2,4,5-Trichlorophenol	5500	U
92-52-4-----	Biphenyl	5500	U
91-58-7-----	2-Chloronaphthalene	5500	U
88-74-4-----	2-Nitroaniline	13000	U
131-11-3-----	Dimethyl phthalate	5500	U
208-96-8-----	Acenaphthylene	260	J
606-20-2-----	2,6-Dinitrotoluene	5500	U
99-09-2-----	3-Nitroaniline	13000	U

ASP 2000- METHOD 8270 SEMIVOLATILES
ANALYSIS DATA SHEET

127/3459

Client No.

SED-18

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: C059

Matrix: (soil/water) SOIL Lab Sample ID: A5C05919

Sample wt/vol: 30.19 (g/mL) G Lab File ID: V12349.RR

Level: (low/med) LOW Date Samp/Recv: 10/25/2005 10/26/2005

% Moisture: 76 decanted: (Y/N) N Date Extracted: 10/27/2005

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 11/09/2005

Injection Volume: 2.00 (uL) Dilution Factor: 4.00

GPC Cleanup: (Y/N) N pH: 7.2

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/KG Q

83-32-9-----	Acenaphthene	5500	U
51-28-5-----	2,4-Dinitrophenol	13000	U
100-02-7-----	4-Nitrophenol	13000	U
132-64-9-----	Dibenzofuran	5500	U
121-14-2-----	2,4-Dinitrotoluene	5500	U
84-66-2-----	Diethyl phthalate	5500	U
7005-72-3-----	4-Chlorophenyl phenyl ether	5500	U
86-73-7-----	Fluorene	5500	U
100-01-6-----	4-Nitroaniline	13000	U
534-52-1-----	4,6-Dinitro-2-methylphenol	13000	U
86-30-6-----	N-nitrosodiphenylamine	5500	U
101-55-3-----	4-Bromophenyl phenyl ether	5500	U
118-74-1-----	Hexachlorobenzene	5500	U
1912-24-9-----	Atrazine	5500	U
87-86-5-----	Pentachlorophenol	13000	U
85-01-8-----	Phenanthrene	1800	J
120-12-7-----	Anthracene	440	J
86-74-8-----	Carbazole	270	J
84-74-2-----	Di-n-butyl phthalate	5500	U
206-44-0-----	Fluoranthene	4900	J
129-00-0-----	Pyrene	3800	J
85-68-7-----	Butyl benzyl phthalate	5500	U
91-94-1-----	3,3'-Dichlorobenzidine	5500	U
56-55-3-----	Benzo (a) anthracene	2400	J
218-01-9-----	Chrysene	2600	J
117-81-7-----	Bis (2-ethylhexyl) phthalate	610	BJU
117-84-0-----	Di-n-octyl phthalate	5500	U
205-99-2-----	Benzo (b) fluoranthene	3600	J
207-08-9-----	Benzo (k) fluoranthene	1500	J
50-32-8-----	Benzo (a) pyrene	2800	J
193-39-5-----	Indeno (1,2,3-cd) pyrene	2100	J
53-70-3-----	Dibenzo (a,h) anthracene	580	J

ASP 2000- METHOD 8270 SEMIVOLATILES
ANALYSIS DATA SHEET

128/3459

Client No.

SED-18

Lab Name: STL Buffalo

Contract: _____

Lab Code: RECNV

Case No.: _____

SAS No.: _____

SDG No.: C059

Matrix: (soil/water) SOIL

Lab Sample ID: A5C05919

Sample wt/vol: 30.19 (g/mL) G

Lab File ID: V12349.RR

Level: (low/med) LOW

Date Samp/Recv: 10/25/2005 10/26/2005

% Moisture: 76 decanted: (Y/N) N

Date Extracted: 10/27/2005

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 11/09/2005

Injection Volume: 2.00 (uL)

Dilution Factor: 4.00

GPC Cleanup: (Y/N) N pH: 7.2

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/KG	Q
191-24-2-----	Benzo(ghi)perylene	2600	J	

ASP 2000- METHOD 8270 SEMIVOLATILES
TENTATIVELY IDENTIFIED COMPOUNDS

129/3459

Client No.

SED-18

Lab Name: STL Buffalo Contract: _____

Lab Code: REONY Case No.: _____ SAS No.: _____ SDG No.: C059

Matrix: (soil/water) SOIL

Lab Sample ID: A5C05919

Sample wt/vol: 30.19 (g/mL) G

Lab File ID: V12349.RR

Level: (low/med) LOW

Date Samp/Recv: 10/25/2005 10/26/2005

% Moisture: 76.1 decanted: (Y/N) N

Date Extracted: 10/27/2005

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 11/09/2005

Injection Volume: 2.00 (uL)

Dilution Factor: 4.00

GPC Cleanup: (Y/N) N pH: 7.2

Number TICs found: 4

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

CAS NO.	Compound Name	RT	Est. Conc.	Q
1.	UNKNOWN	17.65	1100	J
2. 100020-98-0	22,23-DIHYDRO-STIGMASTEROL	18.60	2000	JN
3. 1058-61-3	STIGMAST-4-EN-3-ONE	19.31	1600	JN
4.	UNKNOWN	20.05	1500	J

ASP 2000- METHOD 8270 SEMIVOLATILES
ANALYSIS DATA SHEET

130/3459

Client No.

Lab Name: STL Buffalo

Contract: _____

SED-19

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: C059

Matrix: (soil/water) SOIL

Lab Sample ID: A5C05922

Sample wt/vol: 30.87 (g/mL) G

Lab File ID: V12304.RR

Level: (low/med) LOW

Date Samp/Recv: 10/25/2005 10/26/2005

% Moisture: 53 decanted: (Y/N) N

Date Extracted: 10/27/2005

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 11/03/2005

Injection Volume: 2.00 (uL)

Dilution Factor: 10.00

GPC Cleanup: (Y/N) N pH: 7.4

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/KG Q

100-52-7-----	Benzaldehyde	6800	U
108-95-2-----	Phenol	6800	U
111-44-4-----	Bis(2-chloroethyl) ether	6800	U
95-57-8-----	2-Chlorophenol	6800	U
95-48-7-----	2-Methylphenol	6800	U
108-60-1-----	2,2'-Oxybis(1-Chloropropane)	6800	U
98-86-2-----	Acetophenone	6800	U
106-44-5-----	4-Methylphenol	6800	U
621-64-7-----	N-Nitroso-Di-n-propylamine	6800	U
67-72-1-----	Hexachloroethane	6800	U
98-95-3-----	Nitrobenzene	6800	U
78-59-1-----	Isophorone	6800	U
88-75-5-----	2-Nitrophenol	6800	U
105-67-9-----	2,4-Dimethylphenol	6800	U
111-91-1-----	Bis(2-chloroethoxy) methane	6800	U
120-83-2-----	2,4-Dichlorophenol	6800	U
91-20-3-----	Naphthalene	6800	U
106-47-8-----	4-Chloroaniline	6800	U
87-68-3-----	Hexachlorobutadiene	6800	U
105-60-2-----	Caprolactam	6800	U
59-50-7-----	4-Chloro-3-methylphenol	6800	U
91-57-6-----	2-Methylnaphthalene	6800	U
77-47-4-----	Hexachlorocyclopentadiene	6800	U
88-06-2-----	2,4,6-Trichlorophenol	6800	U
95-95-4-----	2,4,5-Trichlorophenol	6800	U
92-52-4-----	Biphenyl	6800	U
91-58-7-----	2-Chloronaphthalene	6800	U
88-74-4-----	2-Nitroaniline	16000	U
131-11-3-----	Dimethyl phthalate	6800	U
208-96-8-----	Acenaphthylene	280	J
606-20-2-----	2,6-Dinitrotoluene	6800	U
99-09-2-----	3-Nitroaniline	16000	U

ASP 2000- METHOD 8270 SEMIVOLATILES
ANALYSIS DATA SHEET

131/3459

Client No.

SED-19

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: C059

Matrix: (soil/water) SOIL Lab Sample ID: A5C05922

Sample wt/vol: 30.87 (g/mL) G Lab File ID: V12304.RR

Level: (low/med) LOW Date Samp/Recv: 10/25/2005 10/26/2005

% Moisture: 53 decanted: (Y/N) N Date Extracted: 10/27/2005

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 11/03/2005

Injection Volume: 2.00 (uL) Dilution Factor: 10.00

GPC Cleanup: (Y/N) N pH: 7.4

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/KG	Q
83-32-9	Acenaphthene	6800	U	
51-28-5	2,4-Dinitrophenol	16000	U	
100-02-7	4-Nitrophenol	16000	U	
132-64-9	Dibenzofuran	6800	U	
121-14-2	2,4-Dinitrotoluene	6800	U	
84-66-2	Diethyl phthalate	6800	U	
7005-72-3	4-Chlorophenyl phenyl ether	6800	U	
86-73-7	Fluorene	6800	U	
100-01-6	4-Nitroaniline	16000	U	
534-52-1	4,6-Dinitro-2-methylphenol	16000	U	
86-30-6	N-nitrosodiphenylamine	6800	U	
101-55-3	4-Bromophenyl phenyl ether	6800	U	
118-74-1	Hexachlorobenzene	6800	U	
1912-24-9	Atrazine	6800	U	
87-86-5	Pentachlorophenol	16000	U	
85-01-8	Phenanthrene	2500	J	
120-12-7	Anthracene	560	J	
86-74-8	Carbazole	350	J	
84-74-2	Di-n-butyl phthalate	6800	U	
206-44-0	Fluoranthene	5200	J	
129-00-0	Pyrene	4100	J	
85-68-7	Butyl benzyl phthalate	6800	U	
91-94-1	3,3'-Dichlorobenzidine	6800	U	
56-55-3	Benzo(a)anthracene	2600	J	
218-01-9	Chrysene	2600	J	
117-81-7	Bis(2-ethylhexyl) phthalate	6800	U	
117-84-0	Di-n-octyl phthalate	6800	U	
205-99-2	Benzo(b)fluoranthene	3400	J	
207-08-9	Benzo(k)fluoranthene	1400	J	
50-32-8	Benzo(a)pyrene	2800	J	
193-39-5	Indeno(1,2,3-cd)pyrene	1500	J	
53-70-3	Dibenzo(a,h)anthracene	440	J	

ASP 2000- METHOD 8270 SEMIVOLATILES
ANALYSIS DATA SHEET

132/3459

Client No.

SED-19

Lab Name: STL Buffalo

Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: C059

Matrix: (soil/water) SOIL

Lab Sample ID: A5C05922

Sample wt/vol: 30.87 (g/mL) G

Lab File ID: V12304.RR

Level: (low/med) LOW

Date Samp/Recv: 10/25/2005 10/26/2005

% Moisture: 53 decanted: (Y/N) N

Date Extracted: 10/27/2005

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 11/03/2005

Injection Volume: 2.00 (uL)

Dilution Factor: 10.00

GPC Cleanup: (Y/N) N pH: 7.4

CAS NO.	COMPOUND	CONCENTRATION UNITS:		Q
		(ug/L or ug/Kg)	<u>UG/KG</u>	
191-24-2-----	Benzo(ghi)perylene		1700	J

ASP 2000- METHOD 8270 SEMIVOLATILES
TENTATIVELY IDENTIFIED COMPOUNDS

133/3459

Client No.

SED-19

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: C059

Matrix: (soil/water) SOIL Lab Sample ID: A5C05922

Sample wt/vol: 30.87 (g/mL) G Lab File ID: V12304.RR

Level: (low/med) LOW Date Samp/Recv: 10/25/2005 10/26/2005

% Moisture: 52.9 decanted: (Y/N) N Date Extracted: 10/27/2005

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 11/03/2005

Injection Volume: 2.00 (uL) Dilution Factor: 10.00

GPC Cleanup: (Y/N) N pH: 7.4

Number TICs found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

CAS NO.	Compound Name	RT	Est. Conc.	Q

ASP 2000- METHOD 8270 SEMIVOLATILES
ANALYSIS DATA SHEET

134/3459

Client No.

Lab Name: STL Buffalo

Contract: _____

SED-19A

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: C059

Matrix: (soil/water) SOIL

Lab Sample ID: A5C05920

Sample wt/vol: 30.37 (g/mL) G

Lab File ID: V12350.RR

Level: (low/med) LOW

Date Samp/Recv: 10/25/2005 10/26/2005

% Moisture: 57 decanted: (Y/N) N

Date Extracted: 10/27/2005

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 11/09/2005

Injection Volume: 2.00 (uL)

Dilution Factor: 4.00

GPC Cleanup: (Y/N) N pH: 7.4

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/KG Q

100-52-7	Benzaldehyde	3000	U
108-95-2	Phenol	3000	U
111-44-4	Bis(2-chloroethyl) ether	3000	U
95-57-8	2-Chlorophenol	3000	U
95-48-7	2-Methylphenol	3000	U
108-60-1	2,2'-Oxybis(1-Chloropropane)	3000	U
98-86-2	Acetophenone	3000	U
106-44-5	4-Methylphenol	3000	U
621-64-7	N-Nitroso-Di-n-propylamine	3000	U
67-72-1	Hexachloroethane	3000	U
98-95-3	Nitrobenzene	3000	U
78-59-1	Isophorone	3000	U
88-75-5	2-Nitrophenol	3000	U
105-67-9	2,4-Dimethylphenol	3000	U
111-91-1	Bis(2-chloroethoxy) methane	3000	U
120-83-2	2,4-Dichlorophenol	3000	U
91-20-3	Naphthalene	3000	U
106-47-8	4-Chloroaniline	3000	U
87-68-3	Hexachlorobutadiene	3000	U
105-60-2	Caprolactam	3000	U
59-50-7	4-Chloro-3-methylphenol	3000	U
91-57-6	2-Methylnaphthalene	3000	U
77-47-4	Hexachlorocyclopentadiene	3000	U
88-06-2	2,4,6-Trichlorophenol	3000	U
95-95-4	2,4,5-Trichlorophenol	3000	U
92-52-4	Biphenyl	3000	U
91-58-7	2-Chloronaphthalene	3000	U
88-74-4	2-Nitroaniline	7400	U
131-11-3	Dimethyl phthalate	3000	U
208-96-8	Acenaphthylene	3000	U
606-20-2	2,6-Dinitrotoluene	3000	U
99-09-2	3-Nitroaniline	7400	U

ASP 2000- METHOD 8270 SEMIVOLATILES
ANALYSIS DATA SHEET

135/3459

Client No.

SED-19A

Lab Name: STL Buffalo

Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: C059

Matrix: (soil/water) SOIL

Lab Sample ID: A5C05920

Sample wt/vol: 30.37 (g/mL) G

Lab File ID: V12350.RR

Level: (low/med) LOW

Date Samp/Recv: 10/25/2005 10/26/2005

% Moisture: 57 decanted: (Y/N) N

Date Extracted: 10/27/2005

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 11/09/2005

Injection Volume: 2.00 (uL)

Dilution Factor: 4.00

GPC Cleanup: (Y/N) N pH: 7.4

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/KG	Q
83-32-9-----	Acenaphthene	3000	U	
51-28-5-----	2,4-Dinitrophenol	7400	U	
100-02-7-----	4-Nitrophenol	7400	U	
132-64-9-----	Dibenzofuran	3000	U	
121-14-2-----	2,4-Dinitrotoluene	3000	U	
84-66-2-----	Diethyl phthalate	3000	U	
7005-72-3-----	4-Chlorophenyl phenyl ether	3000	U	
86-73-7-----	Fluorene	3000	U	
100-01-6-----	4-Nitroaniline	7400	U	
534-52-1-----	4,6-Dinitro-2-methylphenol	7400	U	
86-30-6-----	N-nitrosodiphenylamine	3000	U	
101-55-3-----	4-Bromophenyl phenyl ether	3000	U	
118-74-1-----	Hexachlorobenzene	3000	U	
1912-24-9-----	Atrazine	3000	U	
87-86-5-----	Pentachlorophenol	7400	U	
85-01-8-----	Phenanthrene	270	J	
120-12-7-----	Anthracene	3000	U	
86-74-8-----	Carbazole	3000	U	
84-74-2-----	Di-n-butyl phthalate	3000	U	
206-44-0-----	Fluoranthene	720	J	
129-00-0-----	Pyrene	600	J	
85-68-7-----	Butyl benzyl phthalate	3000	U	
91-94-1-----	3,3'-Dichlorobenzidine	3000	U	
56-55-3-----	Benzo(a) anthracene	360	J	
218-01-9-----	Chrysene	380	J	
117-81-7-----	Bis(2-ethylhexyl) phthalate	3000	U	
117-84-0-----	Di-n-octyl phthalate	3000	U	
205-99-2-----	Benzo(b) fluoranthene	550	J	
207-08-9-----	Benzo(k) fluoranthene	220	J	
50-32-8-----	Benzo(a) pyrene	420	J	
193-39-5-----	Indeno(1,2,3-cd) pyrene	320	J	
53-70-3-----	Dibenzo(a,h) anthracene	3000	U	

ASP 2000- METHOD 8270 SEMIVOLATILES
ANALYSIS DATA SHEET

136/3459

Client No.

SED-19A

Lab Name: STL Buffalo

Contract: _____

Lab Code: RECN Case No.: _____ SAS No.: _____ SDG No.: C059

Matrix: (soil/water) SOIL

Lab Sample ID: A5C05920

Sample wt/vol: 30.37 (g/mL) G

Lab File ID: V12350.RR

Level: (low/med) LOW

Date Samp/Recv: 10/25/2005 10/26/2005

% Moisture: 57 decanted: (Y/N) N

Date Extracted: 10/27/2005

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 11/09/2005

Injection Volume: 2.00 (uL)

Dilution Factor: 4.00

GPC Cleanup: (Y/N) N pH: 7.4

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/KG	Q
191-24-2-----	Benzo(ghi)perylene		420	J

ASP 2000- METHOD 8270 SEMIVOLATILES
TENTATIVELY IDENTIFIED COMPOUNDS

137/3459

Client No.

SED-19A

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: C059

Matrix: (soil/water) SOIL

Lab Sample ID: A5C05920

Sample wt/vol: 30.37 (g/mL) G

Lab File ID: V12350.RR

Level: (low/med) LOW

Date Samp/Recv: 10/25/2005 10/26/2005

% Moisture: 57.4 decanted: (Y/N) N

Date Extracted: 10/27/2005

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 11/09/2005

Injection Volume: 2.00 (uL)

Dilution Factor: 4.00

GPC Cleanup: (Y/N) N pH: 7.4

Number TICs found: 2

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

CAS NO.	Compound Name	RT	Est. Conc.	Q
1.	UNKNOWN	18.60	1000	J
2. 86917-79-5	.BETA.-SITOSTEROL	20.04	630	JN

ASP 2000- METHOD 8270 SEMIVOLATILES
ANALYSIS DATA SHEET

138/3459

Client No.

Lab Name: STL Buffalo

Contract: _____

TP-21

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: C059

Matrix: (soil/water) SOIL

Lab Sample ID: A5C05901

Sample wt/vol: 30.35 (g/mL) G

Lab File ID: V12276.RR

Level: (low/med) LOW

Date Samp/Recv: 10/24/2005 10/26/2005

% Moisture: 57 decanted: (Y/N) N

Date Extracted: 10/27/2005

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 11/02/2005

Injection Volume: 2.00 (uL)

Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 7.3

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/KG Q

100-52-7-----	Benzaldehyde	760	U
108-95-2-----	Phenol	760	U
111-44-4-----	Bis(2-chloroethyl) ether	760	U
95-57-8-----	2-Chlorophenol	760	U
95-48-7-----	2-Methylphenol	760	U
108-60-1-----	2,2'-Oxybis(1-Chloropropane)	760	U
98-86-2-----	Acetophenone	760	U
106-44-5-----	4-Methylphenol	55	J
621-64-7-----	N-Nitroso-Di-n-propylamine	760	U
67-72-1-----	Hexachloroethane	760	U
98-95-3-----	Nitrobenzene	760	U
78-59-1-----	Isophorone	760	U
88-75-5-----	2-Nitrophenol	760	U
105-67-9-----	2,4-Dimethylphenol	760	U
111-91-1-----	Bis(2-chloroethoxy) methane	760	U
120-83-2-----	2,4-Dichlorophenol	760	U
91-20-3-----	Naphthalene	740	J
106-47-8-----	4-Chloroaniline	760	U
87-68-3-----	Hexachlorobutadiene	760	U
105-60-2-----	Caprolactam	760	U
59-50-7-----	4-Chloro-3-methylphenol	760	U
91-57-6-----	2-Methylnaphthalene	1100	
77-47-4-----	Hexachlorocyclopentadiene	760	U
88-06-2-----	2,4,6-Trichlorophenol	760	U
95-95-4-----	2,4,5-Trichlorophenol	760	U
92-52-4-----	Biphenyl	240	J
91-58-7-----	2-Chloronaphthalene	760	U
88-74-4-----	2-Nitroaniline	1800	U
131-11-3-----	Dimethyl phthalate	760	U
208-96-8-----	Acenaphthylene	1400	
606-20-2-----	2,6-Dinitrotoluene	760	U
99-09-2-----	3-Nitroaniline	1800	U

ASP 2000- METHOD 8270 SEMIVOLATILES
ANALYSIS DATA SHEET

139/3459

Client No.

TP-21

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: C059

Matrix: (soil/water) SOIL Lab Sample ID: A5C05901

Sample wt/vol: 30.35 (g/mL) G Lab File ID: V12276.RR

Level: (low/med) LOW Date Samp/Recv: 10/24/2005 10/26/2005

% Moisture: 57 decanted: (Y/N) N Date Extracted: 10/27/2005

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 11/02/2005

Injection Volume: 2.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 7.3

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/KG	Q
83-32-9	Acenaphthene	720	J	
51-28-5	2,4-Dinitrophenol	1800	U	
100-02-7	4-Nitrophenol	1800	U	
132-64-9	Dibenzofuran	390	J	
121-14-2	2,4-Dinitrotoluene	760	U	
84-66-2	Diethyl phthalate	760	U	
7005-72-3	4-Chlorophenyl phenyl ether	760	U	
86-73-7	Fluorene	1600		
100-01-6	4-Nitroaniline	1800	U	
534-52-1	4,6-Dinitro-2-methylphenol	1800	U R	
86-30-6	N-nitrosodiphenylamine	760	U	
101-55-3	4-Bromophenyl phenyl ether	760	U	
118-74-1	Hexachlorobenzene	760	U	
1912-24-9	Atrazine	760	U	
87-86-5	Pentachlorophenol	1800	U	
85-01-8	Phenanthrene	9600	E J	
120-12-7	Anthracene	1700		
86-74-8	Carbazole	440	J	
84-74-2	Di-n-butyl phthalate	80	J	
206-44-0	Fluoranthene	9900	E J	
129-00-0	Pyrene	11000	E J	
85-68-7	Butyl benzyl phthalate	760	U	
91-94-1	3,3'-Dichlorobenzidine	760	U	
56-55-3	Benzo(a)anthracene	4600		
218-01-9	Chrysene	5500		
117-81-7	Bis(2-ethylhexyl) phthalate	7600	BE J	
117-84-0	Di-n-octyl phthalate	760	U	
205-99-2	Benzo(b)fluoranthene	6200		
207-08-9	Benzo(k)fluoranthene	6500	E J	
50-32-8	Benzo(a)pyrene	3400		
193-39-5	Indeno(1,2,3-cd)pyrene	1700		
53-70-3	Dibenzo(a,h)anthracene	970		

ASP 2000- METHOD 8270 SEMIVOLATILES
ANALYSIS DATA SHEET

140/3459

Client No.

TP-21

Lab Name: STL Buffalo

Contract: _____

Lab Code: REONY Case No.: _____ SAS No.: _____ SDG No.: C059

Matrix: (soil/water) SOIL

Lab Sample ID: A5C05901

Sample wt/vol: 30.35 (g/mL) G

Lab File ID: V12276.RR

Level: (low/med) LOW

Date Samp/Recv: 10/24/2005 10/26/2005

% Moisture: 57 decanted: (Y/N) N

Date Extracted: 10/27/2005

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 11/02/2005

Injection Volume: 2.00 (uL)

Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 7.3

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/KG	Q
191-24-2-----	Benzo (ghi) perylene		1900	

ASP 2000- METHOD 8270 SEMIVOLATILES
TENTATIVELY IDENTIFIED COMPOUNDS

141/3459

Client No.

TP-21

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNV Case No.: _____ SAS No.: _____ SDG No.: C059

Matrix: (soil/water) SOIL Lab Sample ID: A5C05901

Sample wt/vol: .30.35 (g/mL) G Lab File ID: V12276.RR

Level: (low/med) LOW Date Samp/Recv: 10/24/2005 10/26/2005

% Moisture: 57.2 decanted: (Y/N) N Date Extracted: 10/27/2005

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 11/02/2005

Injection Volume: 2.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 7.3

Number TICs found: 18

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

CAS NO.	Compound Name	RT	Est. Conc.	Q
1.	UNKNOWN CYCLOHEXANE DER.	9.10	2200	J
2.	UNKNOWN HYDROCARBON	9.33	7300	J
3.	TETRAHYDRONAPHTHALENE ISOMER	9.98	2600	J
4.	UNKNOWN CYCLOHEXANE DER.	10.02	17000	J
5.	DIMETHYLNAPHTHALENE ISOMER	10.62	4100	J
6.	DIMETHYLNAPHTHALENE ISOMER	10.73	9300	J
7.	DIMETHYLNAPHTHALENE ISOMER	10.78	4300	J
8. 80655-44-3	DECAHYDRO-4,4,8,9,10-PENTAME	10.80	8900	JN
9.	UNKNOWN	10.83	6000	J
10.	UNKNOWN CYCLOHEXANE DER.	10.89	11000	J
11.	UNKNOWN	11.10	8800	J
12.	UNKNOWN	11.40	3600	J
13.	UNKNOWN	11.48	2100	J
14.	UNKNOWN HYDROCARBON	11.63	10000	J
15.	UNKNOWN HYDROCARBON	11.67	6500	J
16.	UNKNOWN HYDROCARBON	11.72	19000	J
17.	UNKNOWN HYDROCARBON	11.77	4000	J
18.	UNKNOWN	11.84	10000	J

ASP 2000- METHOD 8270 SEMIVOLATILES
ANALYSIS DATA SHEET

142/3459

Client No.

TP-21 DL

Lab Name: STL Buffalo Contract: _____

Lab Code: REONY Case No.: _____ SAS No.: _____ SDG No.: C059

Matrix: (soil/water) SOIL Lab Sample ID: A5C05901DL

Sample wt/vol: 30.35 (g/mL) G Lab File ID: V12290.RR

Level: (low/med) LOW Date Samp/Recv: 10/24/2005 10/26/2005

% Moisture: 57 decanted: (Y/N) N Date Extracted: 10/27/2005

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 11/03/2005

Injection Volume: 2.00 (uL) Dilution Factor: 10.00

GPC Cleanup: (Y/N) N pH: 7.3

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/KG	Q
100-52-7	Benzaldehyde	7600	U	
108-95-2	Phenol	7600	U	
111-44-4	Bis(2-chloroethyl) ether	7600	U	
95-57-8	2-Chlorophenol	7600	U	
95-48-7	2-Methylphenol	7600	U	
108-60-1	2,2'-Oxybis(1-Chloropropane)	7600	U	
98-86-2	Acetophenone	7600	U	
106-44-5	4-Methylphenol	7600	U	
621-64-7	N-Nitroso-Di-n-propylamine	7600	U	
67-72-1	Hexachloroethane	7600	U	
98-95-3	Nitrobenzene	7600	U	
78-59-1	Isophorone	7600	U	
88-75-5	2-Nitrophenol	7600	U	
105-67-9	2,4-Dimethylphenol	7600	U	
111-91-1	Bis(2-chloroethoxy) methane	7600	U	
120-83-2	2,4-Dichlorophenol	7600	U	
91-20-3	Naphthalene	790	DJ	
106-47-8	4-Chloroaniline	7600	U	
87-68-3	Hexachlorobutadiene	7600	U	
105-60-2	Caprolactam	7600	U	
59-50-7	4-Chloro-3-methylphenol	7600	U	
91-57-6	2-Methylnaphthalene	1100	DJ	
77-47-4	Hexachlorocyclopentadiene	7600	U	
88-06-2	2,4,6-Trichlorophenol	7600	U	
95-95-4	2,4,5-Trichlorophenol	7600	U	
92-52-4	Biphenyl	7600	U	
91-58-7	2-Chloronaphthalene	7600	U	
88-74-4	2-Nitroaniline	18000	U	
131-11-3	Dimethyl phthalate	7600	U	
208-96-8	Acenaphthylene	1200	DJ	
606-20-2	2,6-Dinitrotoluene	7600	U	
99-09-2	3-Nitroaniline	18000	U	

ASP 2000- METHOD 8270 SEMIVOLATILES
ANALYSIS DATA SHEET

143/3459

Client No.

TP-21 DL

Lab Name: STL Buffalo

Contract: _____

Lab Code: RECNY

Case No.: _____

SAS No.: _____

SDG No.: C059

Matrix: (soil/water) SOIL

Lab Sample ID: A5C05901DL

Sample wt/vol: 30.35 (g/mL) G

Lab File ID: V12290.RR

Level: (low/med) LOW

Date Samp/Recv: 10/24/2005 10/26/2005

% Moisture: 57 decanted: (Y/N) N

Date Extracted: 10/27/2005

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 11/03/2005

Injection Volume: 2.00 (uL)

Dilution Factor: 10.00

GPC Cleanup: (Y/N) N pH: 7.3

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/KG	Q
83-32-9-----	Acenaphthene	740		DJ
51-28-5-----	2,4-Dinitrophenol	18000		U
100-02-7-----	4-Nitrophenol	18000		U
132-64-9-----	Dibenzofuran	430		DJ
121-14-2-----	2,4-Dinitrotoluene	7600		U
84-66-2-----	Diethyl phthalate	7600		U
7005-72-3-----	4-Chlorophenyl phenyl ether	7600		U
86-73-7-----	Fluorene	1700		DJ
100-01-6-----	4-Nitroaniline	18000		U
534-52-1-----	4,6-Dinitro-2-methylphenol	18000		U
86-30-6-----	N-nitrosodiphenylamine	7600		U
101-55-3-----	4-Bromophenyl phenyl ether	7600		U
118-74-1-----	Hexachlorobenzene	7600		U
1912-24-9-----	Atrazine	7600		U
87-86-5-----	Pentachlorophenol	18000		U
85-01-8-----	Phenanthrene	10000		D
120-12-7-----	Anthracene	1500		DJ
86-74-8-----	Carbazole	400		DJ
84-74-2-----	Di-n-butyl phthalate	7600		U
206-44-0-----	Fluoranthene	14000		D
129-00-0-----	Pyrene	14000		D
85-68-7-----	Butyl benzyl phthalate	7600		U
91-94-1-----	3,3'-Dichlorobenzidine	7600		U
56-55-3-----	Benzo (a) anthracene	4800		DJ
218-01-9-----	Chrysene	6200		DJ
117-81-7-----	Bis (2-ethylhexyl) phthalate	16000		BE
117-84-0-----	Di-n-octyl phthalate	7600		U
205-99-2-----	Benzo (b) fluoranthene	5400		DJ
207-08-9-----	Benzo (k) fluoranthene	2300		DJ
50-32-8-----	Benzo (a) pyrene	4200		DJ
193-39-5-----	Indeno (1,2,3-cd) pyrene	2700		DJ
53-70-3-----	Dibenzo (a,h) anthracene	870		DJ

ASP 2000- METHOD 8270 SEMIVOLATILES
ANALYSIS DATA SHEET

144/3459

Client No.

Lab Name: STL Buffalo

Contract: _____

TP-21 DL

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: C059

Matrix: (soil/water) SOIL

Lab Sample ID: A5C05901DL

Sample wt/vol: 30.35 (g/mL) G

Lab File ID: V12290.RR

Level: (low/med) LOW

Date Samp/Recv: 10/24/2005 10/26/2005

% Moisture: 57 decanted: (Y/N) N

Date Extracted: 10/27/2005

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 11/03/2005

Injection Volume: 2.00 (uL)

Dilution Factor: 10.00

GPC Cleanup: (Y/N) N pH: 7.3

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/KG	Q
191-24-2-----	Benzo(ghi)perylene		3200	DJ

ASP 2000- METHOD 8270 SEMIVOLATILES
TENTATIVELY IDENTIFIED COMPOUNDS

145/3459

Client No.

TP-21 DL

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: C059

Matrix: (soil/water) SOIL Lab Sample ID: A5C05901DL

Sample wt/vol: 30.35 (g/mL) G Lab File ID: V12290.RR

Level: (low/med) LOW Date Samp/Recv: 10/24/2005 10/26/2005

% Moisture: 57.2 decanted: (Y/N) N Date Extracted: 10/27/2005

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 11/03/2005

Injection Volume: 2.00 (uL) Dilution Factor: 10.00

GPC Cleanup: (Y/N) N pH: 7.3

Number TICs found: 16

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

CAS NO.	Compound Name	RT	Est. Conc.	Q
1.	UNKNOWN CYCLOHEXANE DER.	9.07	2300	J
2.	UNKNOWN HYDROCARBON	9.23	2200	J
3. 90-12-0	1-METHYLNAPHTHALENE	9.80	1900	JN
4. 5617-41-4	HEPTYLCYCLOHEXANE	9.99	2800	JN
5.	UNKNOWN HYDROCARBON	10.92	1800	J
6.	UNKNOWN HYDROCARBON	11.59	1800	J
7. 17312-83-3	UNKNOWN HYDROCARBON	12.89	2600	JN
8.	TETRAMETHYLNAPHTHALENE ISOME	12.92	4500	J
9.	UNKNOWN	13.36	6500	J
10.	UNKNOWN PAH DER.	13.79	6800	J
11.	UNKNOWN PAH DER.	13.82	12000	J
12.	UNKNOWN PAH DER.	13.90	7900	J
13.	UNKNOWN HYDROCARBON	14.36	14000	J
14.	UNKNOWN HYDROCARBON	15.45	9400	J
15.	UNKNOWN PAH DER.	17.68	11000	J
16.	UNKNOWN PAH DER.	18.01	8300	J

ASP 2000- METHOD 8270 SEMIVOLATILES
ANALYSIS DATA SHEET

146/3459

Client No.

Lab Name: STL Buffalo

Contract: _____

TP-23

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: C059

Matrix: (soil/water) SOIL

Lab Sample ID: A5C05902

Sample wt/vol: 30.23 (g/mL) G

Lab File ID: V12277.RR

Level: (low/med) LOW

Date Samp/Recv: 10/24/2005 10/26/2005

% Moisture: 55 decanted: (Y/N) N

Date Extracted: 10/27/2005

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 11/02/2005

Injection Volume: 2.00 (uL)

Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 7.1

CAS NO.	COMPOUND	CONCENTRATION UNITS:		Q
		(ug/L or ug/Kg)	UG/KG	
100-52-7	Benzaldehyde	730	U	
108-95-2	Phenol	730	U	
111-44-4	Bis(2-chloroethyl) ether	730	U	
95-57-8	2-Chlorophenol	730	U	
95-48-7	2-Methylphenol	730	U	
108-60-1	2,2'-Oxybis(1-Chloropropane)	730	U	
98-86-2	Acetophenone	730	U	
106-44-5	4-Methylphenol	730	U	
621-64-7	N-Nitroso-Di-n-propylamine	730	U	
67-72-1	Hexachloroethane	730	U	
98-95-3	Nitrobenzene	730	U	
78-59-1	Isophorone	730	U	
88-75-5	2-Nitrophenol	730	U	
105-67-9	2,4-Dimethylphenol	730	U	
111-91-1	Bis(2-chloroethoxy) methane	730	U	
120-83-2	2,4-Dichlorophenol	730	U	
91-20-3	Naphthalene	57	J	
106-47-8	4-Chloroaniline	730	U	
87-68-3	Hexachlorobutadiene	730	U	
105-60-2	Caprolactam	730	U	
59-50-7	4-Chloro-3-methylphenol	730	U	
91-57-6	2-Methylnaphthalene	41	J	
77-47-4	Hexachlorocyclopentadiene	730	U	
88-06-2	2,4,6-Trichlorophenol	730	U	
95-95-4	2,4,5-Trichlorophenol	730	U	
92-52-4	Biphenyl	730	U	
91-58-7	2-Chloronaphthalene	730	U	
88-74-4	2-Nitroaniline	1800	U	
131-11-3	Dimethyl phthalate	730	U	
208-96-8	Acenaphthylene	160	J	
606-20-2	2,6-Dinitrotoluene	730	U	
99-09-2	3-Nitroaniline	1800	U	

ASP 2000- METHOD 8270 SEMIVOLATILES
ANALYSIS DATA SHEET

147/3459

Client No.

TP-23

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: C059

Matrix: (soil/water) SOIL Lab Sample ID: A5C05902

Sample wt/vol: 30.23 (g/mL) G Lab File ID: V12277.RR

Level: (low/med) LOW Date Samp/Recv: 10/24/2005 10/26/2005

% Moisture: 55 decanted: (Y/N) N Date Extracted: 10/27/2005

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 11/02/2005

Injection Volume: 2.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 7.1

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/KG	Q
83-32-9-----	Acenaphthene	40	J	
51-28-5-----	2,4-Dinitrophenol	1800	U	
100-02-7-----	4-Nitrophenol	1800	U	
132-64-9-----	Dibenzofuran	33	J	
121-14-2-----	2,4-Dinitrotoluene	730	U	
84-66-2-----	Diethyl phthalate	730	U	
7005-72-3-----	4-Chlorophenyl phenyl ether	730	U	
86-73-7-----	Fluorene	78	J	
100-01-6-----	4-Nitroaniline	1800	U	
534-52-1-----	4,6-Dinitro-2-methylphenol	1800	U	R
86-30-6-----	N-nitrosodiphenylamine	730	U	
101-55-3-----	4-Bromophenyl phenyl ether	730	U	
118-74-1-----	Hexachlorobenzene	730	U	
1912-24-9-----	Atrazine	730	U	
87-86-5-----	Pentachlorophenol	1800	U	
85-01-8-----	Phenanthrene	500	J	
120-12-7-----	Anthracene	140	J	
86-74-8-----	Carbazole	69	J	
84-74-2-----	Di-n-butyl phthalate	730	U	
206-44-0-----	Fluoranthene	880		
129-00-0-----	Pyrene	710	J	
85-68-7-----	Butyl benzyl phthalate	730	U	
91-94-1-----	3,3'-Dichlorobenzidine	730	U	
56-55-3-----	Benzo (a) anthracene	460	J	
218-01-9-----	Chrysene	500	J	
117-81-7-----	Bis (2-ethylhexyl) phthalate	89	BJ	(J)
117-84-0-----	Di-n-octyl phthalate	730	U	
205-99-2-----	Benzo (b) fluoranthene	710	J	
207-08-9-----	Benzo (k) fluoranthene	300	J	
50-32-8-----	Benzo (a) pyrene	520	J	
193-39-5-----	Indeno (1,2,3-cd) pyrene	330	J	
53-70-3-----	Dibenzo (a,h) anthracene	97	J	

ASP 2000- METHOD 8270 SEMIVOLATILES
ANALYSIS DATA SHEET

148/3459

Client No.

Lab Name: STL Buffalo

Contract: _____

TP-23

Lab Code: RECONY Case No.: _____ SAS No.: _____ SDG No.: C059

Matrix: (soil/water) SOIL

Lab Sample ID: A5C05902

Sample wt/vol: 30.23 (g/mL) G

Lab File ID: V12277.RR

Level: (low/med) LOW

Date Samp/Recv: 10/24/2005 10/26/2005

% Moisture: 55 decanted: (Y/N) N

Date Extracted: 10/27/2005

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 11/02/2005

Injection Volume: 2.00 (uL)

Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 7.1

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/KG	Q
191-24-2-----	Benzo(ghi)perylene		340	J

ASP 2000- METHOD 8270 SEMIVOLATILES
TENTATIVELY IDENTIFIED COMPOUNDS

149/3459

Client No.

TP-23

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: C059

Matrix: (soil/water) SOIL Lab Sample ID: A5C05902

Sample wt/vol: 30.23 (g/mL) G Lab File ID: V12277.RR

Level: (low/med) LOW Date Samp/Recv: 10/24/2005 10/26/2005

% Moisture: 55.3 decanted: (Y/N) N Date Extracted: 10/27/2005

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 11/02/2005

Injection Volume: 2.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 7.1

Number TICs found: 8

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

CAS NO.	Compound Name	RT	Est. Conc.	Q
1.	UNKNOWN KETONE	13.38	270	J
2.	UNKNOWN PAH DER.	13.83	160	J
3.	UNKNOWN PAH DER.	13.92	630	J
4. 112-80-1	OLEIC ACID	14.62	510	JN
5. 27519-02-4	(Z)-9-TRICOSENE	15.74	800	JN
6.	UNKNOWN ALKENE	16.88	840	J
7. 83-46-5	.BETA.-SITOSTEROL	18.69	2100	JN
8. 6538-02-9	ERGOSTANOL	18.76	1500	JN

ASP 2000- METHOD 8270 SEMIVOLATILES
ANALYSIS DATA SHEET

150/3459

Client No.

Lab Name: STL Buffalo

Contract: _____

TP-26

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: C059

Matrix: (soil/water) SOIL

Lab Sample ID: A5C05903

Sample wt/vol: 30.19 (g/mL) G

Lab File ID: V12278.RR

Level: (low/med) LOW

Date Samp/Recv: 10/24/2005 10/26/2005

% Moisture: 53 decanted: (Y/N) N

Date Extracted: 10/27/2005

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 11/02/2005

Injection Volume: 2.00 (uL)

Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 6.9

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/KG	Q
100-52-7	Benzaldehyde	700	U	
108-95-2	Phenol	60	J	
111-44-4	Bis(2-chloroethyl) ether	700	U	
95-57-8	2-Chlorophenol	700	U	
95-48-7	2-Methylphenol	89	J	
108-60-1	2,2'-Oxybis(1-Chloropropane)	700	U	
98-86-2	Acetophenone	700	U	
106-44-5	4-Methylphenol	170	U	
621-64-7	N-Nitroso-Di-n-propylamine	700	U	
67-72-1	Hexachloroethane	700	U	
98-95-3	Nitrobenzene	700	U	
78-59-1	Isophorone	700	U	
88-75-5	2-Nitrophenol	700	U	
105-67-9	2,4-Dimethylphenol	130	U	
111-91-1	Bis(2-chloroethoxy) methane	700	J	
120-83-2	2,4-Dichlorophenol	700	U	
91-20-3	Naphthalene	160	U	
106-47-8	4-Chloroaniline	700	J	
87-68-3	Hexachlorobutadiene	700	U	
105-60-2	Caprolactam	700	U	
59-50-7	4-Chloro-3-methylphenol	700	U	
91-57-6	2-Methylnaphthalene	110	J	
77-47-4	Hexachlorocyclopentadiene	700	U	
88-06-2	2,4,6-Trichlorophenol	700	U	
95-95-4	2,4,5-Trichlorophenol	700	U	
92-52-4	Biphenyl	700	U	
91-58-7	2-Chloronaphthalene	700	U	
88-74-4	2-Nitroaniline	1700	U	
131-11-3	Dimethyl phthalate	700	U	
208-96-8	Acenaphthylene	620	J	
606-20-2	2,6-Dinitrotoluene	700	U	
99-09-2	3-Nitroaniline	1700	U	

ASP 2000- METHOD 8270 SEMIVOLATILES
ANALYSIS DATA SHEET

151/3459

Client No.

TP-26

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: C059

Matrix: (soil/water) SOIL Lab Sample ID: A5C05903

Sample wt/vol: 30.19 (g/mL) G Lab File ID: V12278.RR

Level: (low/med) LOW Date Samp/Recv: 10/24/2005 10/26/2005

% Moisture: 53 decanted: (Y/N) N Date Extracted: 10/27/2005

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 11/02/2005

Injection Volume: 2.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 6.9

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/KG	Q
83-32-9-----	Acenaphthene	280	J	
51-28-5-----	2,4-Dinitrophenol	1700	U	
100-02-7-----	4-Nitrophenol	1700	U	
132-64-9-----	Dibenzofuran	700	U	
121-14-2-----	2,4-Dinitrotoluene	700	U	
84-66-2-----	Diethyl phthalate	700	U	
7005-72-3-----	4-Chlorophenyl phenyl ether	700	U	
86-73-7-----	Fluorene	700	U	
100-01-6-----	4-Nitroaniline	1700	U	
534-52-1-----	4,6-Dinitro-2-methylphenol	1700	U	R
86-30-6-----	N-nitrosodiphenylamine	700	U	
101-55-3-----	4-Bromophenyl phenyl ether	700	U	
118-74-1-----	Hexachlorobenzene	700	U	
1912-24-9-----	Atrazine	700	U	
87-86-5-----	Pentachlorophenol	1700	U	
85-01-8-----	Phenanthrene	700	U	
120-12-7-----	Anthracene	700	U	
86-74-8-----	Carbazole	700	U	
84-74-2-----	Di-n-butyl phthalate	700	U	
206-44-0-----	Fluoranthene	2600		
129-00-0-----	Pyrene	7500	E	J
85-68-7-----	Butyl benzyl phthalate	700	U	
91-94-1-----	3,3'-Dichlorobenzidine	700	U	
56-55-3-----	Benzo (a) anthracene	1500		
218-01-9-----	Chrysene	1500		
117-81-7-----	Bis(2-ethylhexyl) phthalate	7200	BE	J
117-84-0-----	Di-n-octyl phthalate	700	U	J
205-99-2-----	Benzo (b) fluoranthene	2800		
207-08-9-----	Benzo (k) fluoranthene	850		
50-32-8-----	Benzo (a) pyrene	1600		
193-39-5-----	Indeno (1,2,3-cd) pyrene	2800		
53-70-3-----	Dibenzo (a,h) anthracene	790		

ASP 2000- METHOD 8270 SEMIVOLATILES
ANALYSIS DATA SHEET

152/3459

Client No.

TP-26

Lab Name: STL Buffalo

Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: C059

Matrix: (soil/water) SOIL

Lab Sample ID: A5C05903

Sample wt/vol: 30.19 (g/mL) G

Lab File ID: V12278.RR

Level: (low/med) LOW

Date Samp/Recv: 10/24/2005 10/26/2005

% Moisture: 53 decanted: (Y/N) N

Date Extracted: 10/27/2005

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 11/02/2005

Injection Volume: 2.00 (uL)

Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 6.9

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/KG	Q
191-24-2-----	Benzo(ghi)perylene		3900	J

ASP 2000- METHOD 8270 SEMIVOLATILES
TENTATIVELY IDENTIFIED COMPOUNDS

153/3459

Client No.

TP-26

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: C059

Matrix: (soil/water) SOIL Lab Sample ID: A5C05903

Sample wt/vol: 30.19 (g/mL) G Lab File ID: V12278.RR

Level: (low/med) LOW Date Samp/Recv: 10/24/2005 10/26/2005

% Moisture: 53.3 decanted: (Y/N) N Date Extracted: 10/27/2005

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 11/02/2005

Injection Volume: 2.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 6.9

Number TICs found: 22

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

CAS NO.	Compound Name	RT	Est. Conc.	Q
1.	UNKNOWN CYCLOHEXANE DER.	7.04	550	J
2.	UNKNOWN	7.11	650	J
3.	DECAHYDRONAPHTHALENE ISOMER	7.31	1400	J
4.	UNKNOWN	7.46	660	J
5.	UNKNOWN	7.52	850	J
6.	UNKNOWN	7.72	750	J
7.	UNKNOWN	7.80	1100	J
8.	UNKNOWN	7.90	1400	J
9.	UNKNOWN HYDROCARBON	7.94	2900	J
10.	UNKNOWN HYDROCARBON	8.02	760	J
11.	UNKNOWN CYCLOHEXANE DER.	8.09	2900	J
12.	UNKNOWN HYDROCARBON	8.39	1300	J
13.	UNKNOWN HYDROCARBON	8.79	2900	J
14.	UNKNOWN	8.87	650	J
15.	UNKNOWN	9.05	550	J
16.	UNKNOWN CYCLOHEXANE DER.	9.10	930	J
17.	UNKNOWN	10.44	1100	J
18.	UNKNOWN	10.50	760	J
19.	UNKNOWN	10.74	780	J
20.	UNKNOWN	10.80	4100	J
21.	UNKNOWN	10.89	1200	J
22.	UNKNOWN	11.11	5200	J

ASP 2000- METHOD 8270 SEMIVOLATILES
ANALYSIS DATA SHEET

154/3459

Client No.

TP-26 DL

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: C059

Matrix: (soil/water) SOIL Lab Sample ID: A5C05903DL

Sample wt/vol: 30.19 (g/mL) G Lab File ID: V12291.RR

Level: (low/med) LOW Date Samp/Recv: 10/24/2005 10/26/2005

% Moisture: 53 decanted: (Y/N) N Date Extracted: 10/27/2005

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 11/03/2005

Injection Volume: 2.00 (uL) Dilution Factor: 20.00

GPC Cleanup: (Y/N) N pH: 6.9

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/KG Q

100-52-7-----	Benzaldehyde	14000	U
108-95-2-----	Phenol	14000	U
111-44-4-----	Bis(2-chloroethyl) ether	14000	U
95-57-8-----	2-Chlorophenol	14000	U
95-48-7-----	2-Methylphenol	14000	U
108-60-1-----	2,2'-Oxybis(1-Chloropropane)	14000	U
98-86-2-----	Acetophenone	14000	U
106-44-5-----	4-Methylphenol	14000	U
621-64-7-----	N-Nitroso-Di-n-propylamine	14000	U
67-72-1-----	Hexachloroethane	14000	U
98-95-3-----	Nitrobenzene	14000	U
78-59-1-----	Isophorone	14000	U
88-75-5-----	2-Nitrophenol	14000	U
105-67-9-----	2,4-Dimethylphenol	14000	U
111-91-1-----	Bis(2-chloroethoxy) methane	14000	U
120-83-2-----	2,4-Dichlorophenol	14000	U
91-20-3-----	Naphthalene	14000	U
106-47-8-----	4-Chloroaniline	14000	U
87-68-3-----	Hexachlorobutadiene	14000	U
105-60-2-----	Caprolactam	14000	U
59-50-7-----	4-Chloro-3-methylphenol	14000	U
91-57-6-----	2-Methylnaphthalene	14000	U
77-47-4-----	Hexachlorocyclopentadiene	14000	U
88-06-2-----	2,4,6-Trichlorophenol	14000	U
95-95-4-----	2,4,5-Trichlorophenol	14000	U
92-52-4-----	Biphenyl	14000	U
91-58-7-----	2-Chloronaphthalene	14000	U
88-74-4-----	2-Nitroaniline	34000	U
131-11-3-----	Dimethyl phthalate	14000	U
208-96-8-----	Acenaphthylene	580	DU
606-20-2-----	2,6-Dinitrotoluene	14000	U
99-09-2-----	3-Nitroaniline	34000	U

ASP 2000- METHOD 8270 SEMIVOLATILES
ANALYSIS DATA SHEET

155/3459

Client No.

TP-26 DL

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: C059

Matrix: (soil/water) SOIL Lab Sample ID: A5C05903DL

Sample wt/vol: 30.19 (g/mL) G Lab File ID: V12291.RR

Level: (low/med) LOW Date Samp/Recv: 10/24/2005 10/26/2005

% Moisture: 53 decanted: (Y/N) N Date Extracted: 10/27/2005

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 11/03/2005

Injection Volume: 2.00 (uL) Dilution Factor: 20.00

GPC Cleanup: (Y/N) N pH: 6.9

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/KG	Q
83-32-9	Acenaphthene	14000		U
51-28-5	2,4-Dinitrophenol	34000		U
100-02-7	4-Nitrophenol	34000		U
132-64-9	Dibenzofuran	14000		U
121-14-2	2,4-Dinitrotoluene	14000		U
84-66-2	Diethyl phthalate	14000		U
7005-72-3	4-Chlorophenyl phenyl ether	14000		U
86-73-7	Fluorene	630		DJ
100-01-6	4-Nitroaniline	34000		U
534-52-1	4,6-Dinitro-2-methylphenol	34000		U
86-30-6	N-nitrosodiphenylamine	14000		U
101-55-3	4-Bromophenyl phenyl ether	14000		U
118-74-1	Hexachlorobenzene	14000		U
1912-24-9	Atrazine	14000		U
87-86-5	Pentachlorophenol	34000		U
85-01-8	Phenanthrene	1300		DJ
120-12-7	Anthracene	490		DJ
86-74-8	Carbazole	14000		U
84-74-2	Di-n-butyl phthalate	14000		U
206-44-0	Fluoranthene	3100		DJ
129-00-0	Pyrene	2800		DJ
85-68-7	Butyl benzyl phthalate	14000		U
91-94-1	3,3'-Dichlorobenzidine	14000		U
56-55-3	Benzo (a) anthracene	1100		DJ
218-01-9	Chrysene	1400		DJ
117-81-7	Bis (2-ethylhexyl) phthalate	6100		BDJ U
117-84-0	Di-n-octyl phthalate	14000		U
205-99-2	Benzo (b) fluoranthene	1600		DJ
207-08-9	Benzo (k) fluoranthene	970		DJ
50-32-8	Benzo (a) pyrene	1300		DJ
193-39-5	Indeno (1,2,3-cd) pyrene	1100		DJ
53-70-3	Dibenzo (a, h) anthracene	14000		U

ASP 2000- METHOD 8270 SEMIVOLATILES
ANALYSIS DATA SHEET

156/3459

Client No.

Lab Name: STL Buffalo

Contract: _____

TP-26 DL

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: C059

Matrix: (soil/water) SOIL

Lab Sample ID: A5C05903DL

Sample wt/vol: 30.19 (g/mL) G

Lab File ID: V12291.RR

Level: (low/med) LOW

Date Samp/Recv: 10/24/2005 10/26/2005

% Moisture: 53 decanted: (Y/N) N

Date Extracted: 10/27/2005

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 11/03/2005

Injection Volume: 2.00 (uL)

Dilution Factor: 20.00

GPC Cleanup: (Y/N) N pH: 6.9

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/KG	Q
191-24-2-----	Benzo(ghi)perylene		1500	DJ

ASP 2000- METHOD 8270 SEMIVOLATILES
TENTATIVELY IDENTIFIED COMPOUNDS

157/3459

Client No.

TP-26 DL

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: C059

Matrix: (soil/water) SOIL Lab Sample ID: A5C05903DL

Sample wt/vol: 30.19 (g/mL) G Lab File ID: V12291.RR

Level: (low/med) LOW Date Samp/Recv: 10/24/2005 10/26/2005

% Moisture: 53.3 decanted: (Y/N) N Date Extracted: 10/27/2005

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 11/03/2005

Injection Volume: 2.00 (uL) Dilution Factor: 20.00

GPC Cleanup: (Y/N) N pH: 6.9

Number TICs found: 9

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

CAS NO.	Compound Name	RT	Est. Conc.	Q
1.	UNKNOWN HYDROCARBON	8.76	2900	J
2.	UNKNOWN	10.76	7500	J
3.	UNKNOWN	11.07	13000	J
4.	UNKNOWN	11.12	3300	J
5.	UNKNOWN	11.81	9800	J
6.	UNKNOWN	12.62	12000	J
7.	TETRAMETHYLNAPHTHALENE ISOME	12.92	10000	J
8.	UNKNOWN PAH DER.	17.67	9600	J
9.	UNKNOWN PAH DER.	17.99	5100	J

ASP 2000- METHOD 8270 SEMIVOLATILES
ANALYSIS DATA SHEET

158/3459

Client No.

Lab Name: STL Buffalo

Contract: _____

TP-28

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: C059

Matrix: (soil/water) SOIL

Lab Sample ID: A5C05905

Sample wt/vol: 30.42 (g/mL) G

Lab File ID: V12280.RR

Level: (low/med) LOW

Date Samp/Recv: 10/25/2005 10/26/2005

% Moisture: 41 decanted: (Y/N) Y

Date Extracted: 10/27/2005

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 11/02/2005

Injection Volume: 2.00 (uL)

Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 7.2

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/KG	Q
100-52-7	Benzaldehyde	550	U	
108-95-2	Phenol	550	U	
111-44-4	Bis(2-chloroethyl) ether	550	U	
95-57-8	2-Chlorophenol	550	U	
95-48-7	2-Methylphenol	550	U	
108-60-1	2,2'-Oxybis(1-Chloropropane)	550	U	
98-86-2	Acetophenone	550	U	
106-44-5	4-Methylphenol	550	U	
621-64-7	N-Nitroso-Di-n-propylamine	550	U	
67-72-1	Hexachloroethane	550	U	
98-95-3	Nitrobenzene	550	U	
78-59-1	Isophorone	550	U	
88-75-5	2-Nitrophenol	550	U	
105-67-9	2,4-Dimethylphenol	550	U	
111-91-1	Bis(2-chloroethoxy) methane	550	U	
120-83-2	2,4-Dichlorophenol	550	U	
91-20-3	Naphthalene	100	J	
106-47-8	4-Chloroaniline	550	U	
87-68-3	Hexachlorobutadiene	550	U	
105-60-2	Caprolactam	550	U	
59-50-7	4-Chloro-3-methylphenol	550	U	
91-57-6	2-Methylnaphthalene	230	J	
77-47-4	Hexachlorocyclopentadiene	550	U	
88-06-2	2,4,6-Trichlorophenol	550	U	
95-95-4	2,4,5-Trichlorophenol	550	U	
92-52-4	Biphenyl	550	U	
91-58-7	2-Chloronaphthalene	550	U	
88-74-4	2-Nitroaniline	1300	U	
131-11-3	Dimethyl phthalate	550	U	
208-96-8	Acenaphthylene	56	J	
606-20-2	2,6-Dinitrotoluene	550	U	
99-09-2	3-Nitroaniline	1300	U	

ASP 2000- METHOD 8270 SEMIVOLATILES
ANALYSIS DATA SHEET

159/3459

Client No.

TP-28

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: C059

Matrix: (soil/water) SOIL Lab Sample ID: A5C05905

Sample wt/vol: 30.42 (g/mL) G Lab File ID: V12280.RR

Level: (low/med) LOW Date Samp/Recv: 10/25/2005 10/26/2005

% Moisture: 41 decanted: (Y/N) Y Date Extracted: 10/27/2005

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 11/02/2005

Injection Volume: 2.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 7.2

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/KG	Q
83-32-9-----	Acenaphthene	64	J	
51-28-5-----	2,4-Dinitrophenol	1300	U	
100-02-7-----	4-Nitrophenol	1300	U	
132-64-9-----	Dibenzofuran	68	J	
121-14-2-----	2,4-Dinitrotoluene	550	U	
84-66-2-----	Diethyl phthalate	550	U	
7005-72-3-----	4-Chlorophenyl phenyl ether	550	U	
86-73-7-----	Fluorene	120	J	
100-01-6-----	4-Nitroaniline	1300	U	
534-52-1-----	4,6-Dinitro-2-methylphenol	1300	U	R
86-30-6-----	N-nitrosodiphenylamine	81	J	
101-55-3-----	4-Bromophenyl phenyl ether	550	U	
118-74-1-----	Hexachlorobenzene	550	U	
1912-24-9-----	Atrazine	550	U	
87-86-5-----	Pentachlorophenol	1300	U	
85-01-8-----	Phenanthrene	630		
120-12-7-----	Anthracene	140	J	
86-74-8-----	Carbazole	48	J	
84-74-2-----	Di-n-butyl phthalate	75	J	
206-44-0-----	Fluoranthene	660		
129-00-0-----	Pyrene	520	J	
85-68-7-----	Butyl benzyl phthalate	550	U	
91-94-1-----	3,3'-Dichlorobenzidine	550	U	
56-55-3-----	Benzo (a) anthracene	280	J	
218-01-9-----	Chrysene	290	J	
117-81-7-----	Bis (2-ethylhexyl) phthalate	4600	BE	T
117-84-0-----	Di-n-octyl phthalate	58	J	
205-99-2-----	Benzo (b) fluoranthene	380	J	
207-08-9-----	Benzo (k) fluoranthene	160	J	
50-32-8-----	Benzo (a) pyrene	260	J	
193-39-5-----	Indeno (1,2,3-cd) pyrene	120	J	
53-70-3-----	Dibenzo (a,h) anthracene	39	J	

ASP 2000- METHOD 8270 SEMIVOLATILES
ANALYSIS DATA SHEET

160/3459

Client No.

TP-28

Lab Name: STL Buffalo

Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: C059

Matrix: (soil/water) SOIL

Lab Sample ID: A5C05905

Sample wt/vol: 30.42 (g/mL) G

Lab File ID: V12280.RR

Level: (low/med) LOW

Date Samp/Recv: 10/25/2005 10/26/2005

% Moisture: 41 decanted: (Y/N) Y

Date Extracted: 10/27/2005

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 11/02/2005

Injection Volume: 2.00 (uL)

Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 7.2

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/KG	Q
191-24-2-----	Benzo(ghi)perylene		140	J

ASP 2000- METHOD 8270 SEMIVOLATILES
TENTATIVELY IDENTIFIED COMPOUNDS

161/3459

Client No.

TP-28

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: C059

Matrix: (soil/water) SOIL Lab Sample ID: A5C05905

Sample wt/vol: 30.42 (g/mL) G Lab File ID: V12280.RR

Level: (low/med) LOW Date Samp/Recv: 10/25/2005 10/26/2005

% Moisture: 40.7 decanted: (Y/N) Y Date Extracted: 10/27/2005

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 11/02/2005

Injection Volume: 2.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 7.2

Number TICs found: 17

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

CAS NO.	Compound Name	RT	Est. Conc.	Q
1.	UNKNOWN HYDROCARBON	10.91	380	J
2.	UNKNOWN HYDROCARBON	12.28	600	J
3. 70-55-3	4-METHYL-BENZENESULFONAMIDE	12.50	290	JN
4.	UNKNOWN	12.55	320	J
5. 544-63-8	TETRADECANOIC ACID	12.96	780	JN
6.	UNKNOWN PAH DER.	13.84	330	J
7.	UNKNOWN	14.06	720	J
8.	UNKNOWN	14.09	890	J
9. 100028-99-0	18-NORABIETANE	14.18	1000	JN
10. 100018-99-0	4B,8-DIMETHYL-2-ISOPROPYLPHE	14.29	1800	JN
11. 32624-67-2	10,18-BISNORABIETA-8,11,13-T	14.38	1400	JN
12. 6566-19-4	10,18-BISNORABIETA-5,7,9(10)	14.61	1000	JN
13. 112-79-8	9-OCTADECANOIC ACID	14.64	490	JN
14.	UNKNOWN PAH DER.	15.05	1200	J
15. 83-47-6	.GAMMA.-SITOSTEROL	18.70	360	JN
16.	UNKNOWN	18.87	660	J
17. 603-48-5	BENZENAMINE,4,4',4''-METHYLI	19.11	450	JN

ASP 2000- METHOD 8270 SEMIVOLATILES
ANALYSIS DATA SHEET

162/3459

Client No.

TP-28 DL

Lab Name: STL Buffalo

Contract: _____

Lab Code: REONY Case No.: _____ SAS No.: _____ SDG No.: C059

Matrix: (soil/water) SOIL

Lab Sample ID: A5C05905DL

Sample wt/vol: 30.42 (g/mL) G

Lab File ID: V12292.RR

Level: (low/med) LOW

Date Samp/Recv: 10/25/2005 10/26/2005

% Moisture: 41 decanted: (Y/N) Y

Date Extracted: 10/27/2005

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 11/03/2005

Injection Volume: 2.00 (uL)

Dilution Factor: 5.00

GPC Cleanup: (Y/N) N pH: 7.2

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/KG Q

100-52-7-----	Benzaldehyde	2700	U
108-95-2-----	Phenol	2700	U
111-44-4-----	Bis(2-chloroethyl) ether	2700	U
95-57-8-----	2-Chlorophenol	2700	U
95-48-7-----	2-Methylphenol	2700	U
108-60-1-----	2,2'-Oxybis(1-Chloropropane)	2700	U
98-86-2-----	Acetophenone	2700	U
106-44-5-----	4-Methylphenol	2700	U
621-64-7-----	N-Nitroso-Di-n-propylamine	2700	U
67-72-1-----	Hexachloroethane	2700	U
98-95-3-----	Nitrobenzene	2700	U
78-59-1-----	Isophorone	2700	U
88-75-5-----	2-Nitrophenol	2700	U
105-67-9-----	2,4-Dimethylphenol	2700	U
111-91-1-----	Bis(2-chloroethoxy) methane	2700	U
120-83-2-----	2,4-Dichlorophenol	2700	U
91-20-3-----	Naphthalene	2700	U
106-47-8-----	4-Chloroaniline	2700	U
87-68-3-----	Hexachlorobutadiene	2700	U
105-60-2-----	Caprolactam	2700	U
59-50-7-----	4-Chloro-3-methylphenol	2700	U
91-57-6-----	2-Methylnaphthalene	210	DJ
77-47-4-----	Hexachlorocyclopentadiene	2700	U
88-06-2-----	2,4,6-Trichlorophenol	2700	U
95-95-4-----	2,4,5-Trichlorophenol	2700	U
92-52-4-----	Biphenyl	2700	U
91-58-7-----	2-Chloronaphthalene	2700	U
88-74-4-----	2-Nitroaniline	6600	U
131-11-3-----	Dimethyl phthalate	2700	U
208-96-8-----	Acenaphthylene	2700	U
606-20-2-----	2,6-Dinitrotoluene	2700	U
99-09-2-----	3-Nitroaniline	6600	U

ASP 2000- METHOD 8270 SEMIVOLATILES
ANALYSIS DATA SHEET

163/3459

Client No.

TP-28 DL

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: C059

Matrix: (soil/water) SOIL Lab Sample ID: A5C05905DL

Sample wt/vol: 30.42 (g/mL) G Lab File ID: V12292.RR

Level: (low/med) LOW Date Samp/Recv: 10/25/2005 10/26/2005

% Moisture: 41 decanted: (Y/N) Y Date Extracted: 10/27/2005

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 11/03/2005

Injection Volume: 2.00 (uL) Dilution Factor: 5.00

GPC Cleanup: (Y/N) N pH: 7.2

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/KG Q

83-32-9-----	Acenaphthene	2700	U
51-28-5-----	2,4-Dinitrophenol	6600	U
100-02-7-----	4-Nitrophenol	6600	U
132-64-9-----	Dibenzofuran	2700	U
121-14-2-----	2,4-Dinitrotoluene	2700	U
84-66-2-----	Diethyl phthalate	2700	U
7005-72-3-----	4-Chlorophenyl phenyl ether	2700	U
86-73-7-----	Fluorene	110	DJ
100-01-6-----	4-Nitroaniline	6600	U
534-52-1-----	4,6-Dinitro-2-methylphenol	6600	U
86-30-6-----	N-nitrosodiphenylamine	2700	U
101-55-3-----	4-Bromophenyl phenyl ether	2700	U
118-74-1-----	Hexachlorobenzene	2700	U
1912-24-9-----	Atrazine	2700	U
87-86-5-----	Pentachlorophenol	6600	U
85-01-8-----	Phenanthrene	610	DJ
120-12-7-----	Anthracene	120	DJ
86-74-8-----	Carbazole	2700	U
84-74-2-----	Di-n-butyl phthalate	2700	U
206-44-0-----	Fluoranthene	690	DJ
129-00-0-----	Pyrene	520	DJ
85-68-7-----	Butyl benzyl phthalate	2700	U
91-94-1-----	3,3'-Dichlorobenzidine	2700	U
56-55-3-----	Benzo (a) anthracene	260	DJ
218-01-9-----	Chrysene	270	DJ
117-81-7-----	Bis(2-ethylhexyl) phthalate	5300	BD
117-84-0-----	Di-n-octyl phthalate	2700	U
205-99-2-----	Benzo (b) fluoranthene	320	DJ
207-08-9-----	Benzo (k) fluoranthene	2700	U
50-32-8-----	Benzo (a) pyrene	260	DJ
193-39-5-----	Indeno (1,2,3-cd) pyrene	180	DJ
53-70-3-----	Dibenzo (a,h) anthracene	2700	U

ASP 2000- METHOD 8270 SEMIVOLATILES
ANALYSIS DATA SHEET

164/3459

Client No.

TP-28 DL

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: C059

Matrix: (soil/water) SOIL Lab Sample ID: A5C05905DL

Sample wt/vol: 30.42 (g/mL) G Lab File ID: V12292.RR

Level: (low/med) LOW Date Samp/Recv: 10/25/2005 10/26/2005

% Moisture: 41 decanted: (Y/N) Y Date Extracted: 10/27/2005

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 11/03/2005

Injection Volume: 2.00 (uL) Dilution Factor: 5.00

GPC Cleanup: (Y/N) N pH: 7.2

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/KG Q

191-24-2-----	Benzo(ghi)perylene	240	DJ
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ASP 2000- METHOD 8270 SEMIVOLATILES
TENTATIVELY IDENTIFIED COMPOUNDS

165/3459

Client No.

Lab Name: STL Buffalo Contract: _____

TP-28 DL

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: C059

Matrix: (soil/water) SOIL

Lab Sample ID: A5C05905DL

Sample wt/vol: 30.42 (g/mL) G

Lab File ID: V12292.RR

Level: (low/med) LOW

Date Samp/Recv: 10/25/2005 10/26/2005

% Moisture: 40.7 decanted: (Y/N) Y

Date Extracted: 10/27/2005

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 11/03/2005

Injection Volume: 2.00 (uL)

Dilution Factor: 5.00

GPC Cleanup: (Y/N) N pH: 7.2

Number TICs found: 12

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

CAS NO.	Compound Name	RT	Est. Conc.	Q
1.	UNKNOWN	14.04	780	J
2.	UNKNOWN	14.06	760	J
3. 100028-99-0	18-NORABIETANE	14.16	1100	JN
4. 100018-99-0	4B,8-DIMETHYL-2-ISOPROPYLPHE	14.27	1500	JN
5. 32624-67-2	10,18-BISNORABIETA-8,11,13-T	14.35	1500	JN
6. 6566-19-4	10,18-BISNORABIETA-5,7,9(10)	14.57	3000	JN
7.	UNKNOWN PAH DER.	15.01	3800	J
8. 53584-60-4	28-NOR-17.ALPHA. (H) -HOPANE	17.67	1900	JN
9. 83-47-6	.GAMMA.SITOSTEROL	18.64	950	JN
10. 6538-02-9	ERGOSTANOL	18.72	720	JN
11. 471-68-1	OLEAN-12-ENE	18.81	1200	JN
12. 603-48-5	BENZAMINE, 4,4',4''-METHYLIDY	19.05	1200	JN

ASP 2000- METHOD 8270 SEMIVOLATILES
ANALYSIS DATA SHEET

166/3459

Client No.

TP-30

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: C059

Matrix: (soil/water) SOIL Lab Sample ID: A5C05907

Sample wt/vol: 30.62 (g/mL) G Lab File ID: V12282.RR

Level: (low/med) LOW Date Samp/Recv: 10/25/2005 10/26/2005

% Moisture: 8 decanted: (Y/N) N Date Extracted: 10/27/2005

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 11/02/2005

Injection Volume: 2.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 8.3

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/KG Q

100-52-7-----	Benzaldehyde	350	U
108-95-2-----	Phenol	350	U
111-44-4-----	Bis(2-chloroethyl) ether	350	U
95-57-8-----	2-Chlorophenol	350	U
95-48-7-----	2-Methylphenol	350	U
108-60-1-----	2,2'-Oxybis(1-Chloropropane)	350	U
98-86-2-----	Acetophenone	350	U
106-44-5-----	4-Methylphenol	32	J
621-64-7-----	N-Nitroso-Di-n-propylamine	350	U
67-72-1-----	Hexachloroethane	350	U
98-95-3-----	Nitrobenzene	350	U
78-59-1-----	Isophorone	350	U
88-75-5-----	2-Nitrophenol	350	U
105-67-9-----	2,4-Dimethylphenol	350	U
111-91-1-----	Bis(2-chloroethoxy) methane	350	U
120-83-2-----	2,4-Dichlorophenol	350	U
91-20-3-----	Naphthalene	51	J
106-47-8-----	4-Chloroaniline	350	U
87-68-3-----	Hexachlorobutadiene	350	U
105-60-2-----	Caprolactam	350	U
59-50-7-----	4-Chloro-3-methylphenol	350	U
91-57-6-----	2-Methylnaphthalene	73	J
77-47-4-----	Hexachlorocyclopentadiene	350	U
88-06-2-----	2,4,6-Trichlorophenol	350	U
95-95-4-----	2,4,5-Trichlorophenol	350	U
92-52-4-----	Biphenyl	350	U
91-58-7-----	2-Chloronaphthalene	350	U
88-74-4-----	2-Nitroaniline	850	U
131-11-3-----	Dimethyl phthalate	350	U
208-96-8-----	Acenaphthylene	350	U
606-20-2-----	2,6-Dinitrotoluene	350	U
99-09-2-----	3-Nitroaniline	850	U

ASP 2000- METHOD 8270 SEMIVOLATILES
ANALYSIS DATA SHEET

167/3459

Client No.

Lab Name: STL Buffalo

Contract: _____

TP-30

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: C059

Matrix: (soil/water) SOIL

Lab Sample ID: A5C05907

Sample wt/vol: 30.62 (g/mL) G

Lab File ID: VI2282.RR

Level: (low/med) LOW

Date Samp/Recv: 10/25/2005 10/26/2005

% Moisture: 8 decanted: (Y/N) N

Date Extracted: 10/27/2005

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 11/02/2005

Injection Volume: 2.00 (uL)

Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 8.3

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/KG Q

83-32-9-----	Acenaphthene	350	U
51-28-5-----	2,4-Dinitrophenol	850	U
100-02-7-----	4-Nitrophenol	850	U
132-64-9-----	Dibenzofuran	350	U
121-14-2-----	2,4-Dinitrotoluene	350	U
84-66-2-----	Diethyl phthalate	10	J
7005-72-3-----	4-Chlorophenyl phenyl ether	350	U
86-73-7-----	Fluorene	12	J
100-01-6-----	4-Nitroaniline	850	U
534-52-1-----	4,6-Dinitro-2-methylphenol	850	UR
86-30-6-----	N-nitrosodiphenylamine	350	U
101-55-3-----	4-Bromophenyl phenyl ether	350	U
118-74-1-----	Hexachlorobenzene	350	U
1912-24-9-----	Atrazine	350	U
87-86-5-----	Pentachlorophenol	850	U
85-01-8-----	Phenanthrene	80	J
120-12-7-----	Anthracene	18	J
86-74-8-----	Carbazole	350	U
84-74-2-----	Di-n-butyl phthalate	27	J
206-44-0-----	Fluoranthene	110	J
129-00-0-----	Pyrene	87	J
85-68-7-----	Butyl benzyl phthalate	350	U
91-94-1-----	3,3'-Dichlorobenzidine	350	U
56-55-3-----	Benzo (a) anthracene	54	J
218-01-9-----	Chrysene	58	J
117-81-7-----	Bis(2-ethylhexyl) phthalate	170	BJU
117-84-0-----	Di-n-octyl phthalate	350	U
205-99-2-----	Benzo (b) fluoranthene	78	J
207-08-9-----	Benzo (k) fluoranthene	26	J
50-32-8-----	Benzo (a) pyrene	45	J
193-39-5-----	Indeno (1,2,3-cd) pyrene	20	J
53-70-3-----	Dibenzo (a,h) anthracene	350	U

ASP 2000- METHOD 8270 SEMIVOLATILES
ANALYSIS DATA SHEET

168/3459

Client No.

TP-30

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: C059

Matrix: (soil/water) SOIL Lab Sample ID: A5C05907

Sample wt/vol: 30.62 (g/mL) G Lab File ID: V12282.RR

Level: (low/med) LOW Date Samp/Recv: 10/25/2005 10/26/2005

% Moisture: 8 decanted: (Y/N) N Date Extracted: 10/27/2005

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 11/02/2005

Injection Volume: 2.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 8.3

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/KG	Q
191-24-2-----	Benzo(ghi)perylene		25	J

ASP 2000- METHOD 8270 SEMIVOLATILES
TENTATIVELY IDENTIFIED COMPOUNDS

169/3459

Client No.

TP-30

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: C059

Matrix: (soil/water) SOIL Lab Sample ID: A5C05907

Sample wt/vol: 30.62 (g/mL) G Lab File ID: VL2282.RR

Level: (low/med) LOW Date Samp/Recv: 10/25/2005 10/26/2005

% Moisture: 8.0 decanted: (Y/N) N Date Extracted: 10/27/2005

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 11/02/2005

Injection Volume: 2.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 8.3

Number TICs found: 15

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

CAS NO.	Compound Name	RT	Est. Conc.	Q
1. 108-90-7	CHLOROBENZENE	4.51	350	JN
2. 7785-70-8	1R-.ALPHA.-PINENE	5.75	150	JN
3. 527-84-4	METHYLMETHYLETHYLBENZENE ISO	6.89	410	JN
4. 143-07-7	DODECANOIC ACID	11.66	120	JN
5.	UNKNOWN HYDROCARBON	12.28	83	J
6.	UNKNOWN HYDROCARBON	12.64	74	J
7. 544-63-8	TETRADECANOIC ACID	12.96	1100	JN
8. 1002-84-2	PENTADECANOIC ACID	13.46	120	JN
9.	UNKNOWN PAH DER.	13.84	84	J
10. 6566-19-4	10,18-BISNORABIETA-5,7,9(10)	14.60	180	JN
11. 112-80-1	OLEIC ACID	14.63	1000	JN
12. 57-11-4	OCTADECANOIC ACID	14.70	460	JN
13. 66563-30-2	BACCHOTRICUNEATIN C	15.16	220	JN
14.	UNKNOWN HYDROCARBON	15.27	180	J
15.	UNKNOWN	17.56	200	J

ASP 2000- METHOD 8270 SEMIVOLATILES
ANALYSIS DATA SHEET

170/3459

Client No.

TP-32

Lab Name: STL Buffalo

Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: C059

Matrix: (soil/water) SOIL

Lab Sample ID: A5C05906

Sample wt/vol: 30.22 (g/mL) G

Lab File ID: V12293.RR

Level: (low/med) LOW

Date Samp/Recv: 10/25/2005 10/26/2005

% Moisture: 19 decanted: (Y/N) N

Date Extracted: 10/27/2005

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 11/03/2005

Injection Volume: 2.00 (uL)

Dilution Factor: 50.00

GPC Cleanup: (Y/N) N pH: 7.5

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/KG Q

100-52-7-----	Benzaldehyde	20000	U
108-95-2-----	Phenol	20000	U
111-44-4-----	Bis(2-chloroethyl) ether	20000	U
95-57-8-----	2-Chlorophenol	20000	U
95-48-7-----	2-Methylphenol	20000	U
108-60-1-----	2,2'-Oxybis(1-Chloropropane)	20000	U
98-86-2-----	Acetophenone	20000	U
106-44-5-----	4-Methylphenol	20000	U
621-64-7-----	N-Nitroso-Di-n-propylamine	20000	U
67-72-1-----	Hexachloroethane	20000	U
98-95-3-----	Nitrobenzene	20000	U
78-59-1-----	Isophorone	20000	U
88-75-5-----	2-Nitrophenol	20000	U
105-67-9-----	2,4-Dimethylphenol	20000	U
111-91-1-----	Bis(2-chloroethoxy) methane	20000	U
120-83-2-----	2,4-Dichlorophenol	20000	U
91-20-3-----	Naphthalene	20000	U
106-47-8-----	4-Chloroaniline	20000	U
87-68-3-----	Hexachlorobutadiene	20000	U
105-60-2-----	Caprolactam	20000	U
59-50-7-----	4-Chloro-3-methylphenol	20000	U
91-57-6-----	2-Methylnaphthalene	980	J
77-47-4-----	Hexachlorocyclopentadiene	20000	U
88-06-2-----	2,4,6-Trichlorophenol	20000	U
95-95-4-----	2,4,5-Trichlorophenol	20000	U
92-52-4-----	Biphenyl	20000	U
91-58-7-----	2-Chloronaphthalene	20000	U
88-74-4-----	2-Nitroaniline	49000	U
131-11-3-----	Dimethyl phthalate	20000	U
208-96-8-----	Acenaphthylene	20000	U
606-20-2-----	2,6-Dinitrotoluene	20000	U
99-09-2-----	3-Nitroaniline	49000	U

ASP 2000- METHOD 8270 SEMIVOLATILES
ANALYSIS DATA SHEET

171/3459

Client No.

TP-32

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: C059

Matrix: (soil/water) SOIL Lab Sample ID: A5C05906

Sample wt/vol: 30.22 (g/mL) G Lab File ID: V12293.RR

Level: (low/med) LOW Date Samp/Recv: 10/25/2005 10/26/2005

% Moisture: 19 decanted: (Y/N) N Date Extracted: 10/27/2005

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 11/03/2005

Injection Volume: 2.00 (uL) Dilution Factor: 50.00

GPC Cleanup: (Y/N) N pH: 7.5

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/KG Q

83-32-9-----	Acenaphthene	20000	U
51-28-5-----	2,4-Dinitrophenol	49000	U
100-02-7-----	4-Nitrophenol	49000	U
132-64-9-----	Dibenzofuran	20000	U
121-14-2-----	2,4-Dinitrotoluene	20000	U
84-66-2-----	Diethyl phthalate	20000	U
7005-72-3-----	4-Chlorophenyl phenyl ether	20000	U
86-73-7-----	Fluorene	820	J
100-01-6-----	4-Nitroaniline	49000	U
534-52-1-----	4,6-Dinitro-2-methylphenol	49000	U
86-30-6-----	N-nitrosodiphenylamine	20000	U
101-55-3-----	4-Bromophenyl phenyl ether	20000	U
118-74-1-----	Hexachlorobenzene	20000	U
1912-24-9-----	Atrazine	20000	U
87-86-5-----	Pentachlorophenol	49000	U
85-01-8-----	Phenanthrene	2300	J
120-12-7-----	Anthracene	620	J
86-74-8-----	Carbazole	700	J
84-74-2-----	Di-n-butyl phthalate	710	J
206-44-0-----	Fluoranthene	1100	J
129-00-0-----	Pyrene	1200	J
85-68-7-----	Butyl benzyl phthalate	20000	U
91-94-1-----	3,3'-Dichlorobenzidine	20000	U
56-55-3-----	Benzo(a)anthracene	20000	U
218-01-9-----	Chrysene	20000	U
117-81-7-----	Bis(2-ethylhexyl) phthalate	3500	BJU
117-84-0-----	Di-n-octyl phthalate	20000	U
205-99-2-----	Benzo(b)fluoranthene	20000	U
207-08-9-----	Benzo(k)fluoranthene	20000	U
50-32-8-----	Benzo(a)pyrene	20000	U
193-39-5-----	Indeno(1,2,3-cd)pyrene	20000	U
53-70-3-----	Dibenzo(a,h)anthracene	20000	U

ASP 2000- METHOD 8270 SEMIVOLATILES
ANALYSIS DATA SHEET

172/3459

Client No.

TP-32

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: C059

Matrix: (soil/water) SOIL Lab Sample ID: A5C05906

Sample wt/vol: 30.22 (g/mL) G Lab File ID: VI2293.RR

Level: (low/med) LOW Date Samp/Recv: 10/25/2005 10/26/2005

% Moisture: 19 decanted: (Y/N) N Date Extracted: 10/27/2005

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 11/03/2005

Injection Volume: 2.00 (uL) Dilution Factor: 50.00

GPC Cleanup: (Y/N) N pH: 7.5

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/KG Q

191-24-2-----	Benzo(ghi)perylene	20000	U
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ASP 2000- METHOD 8270 SEMIVOLATILES
TENTATIVELY IDENTIFIED COMPOUNDS

173/3459

Client No.

TP-32

Lab Name: SIL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: C059

Matrix: (soil/water) SOIL Lab Sample ID: A5C05906

Sample wt/vol: 30.22 (g/mL) G Lab File ID: V12293.RR

Level: (low/med) LOW Date Samp/Recv: 10/25/2005 10/26/2005

% Moisture: 18.9 decanted: (Y/N) N Date Extracted: 10/27/2005

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 11/03/2005

Injection Volume: 2.00 (uL) Dilution Factor: 50.00

GPC Cleanup: (Y/N) N pH: 7.5

Number TICs found: 8

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

CAS NO.	Compound Name	RT	Est. Conc.	Q
1.	UNKNOWN	10.76	6200	J
2. 80655-44-3	DECAHYDRO-4,4,8,9,10-PENTAME	11.07	8200	JN
3.	UNKNOWN	11.80	7000	J
4.	UNKNOWN HYDROCARBON	11.95	5400	J
5.	UNKNOWN HYDROCARBON	12.26	7100	J
6.	TETRAMETHYLNAPHTHALENE ISOMER	12.92	9400	J
7.	UNKNOWN PAH DER.	17.66	6000	J
8.	UNKNOWN PAH DER.	17.99	4700	J

ASP 2000- METHOD 8270 SEMIVOLATILES
ANALYSIS DATA SHEET

174/3459

Client No.

TP-34

Lab Name: STL Buffalo

Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: C059

Matrix: (soil/water) SOIL

Lab Sample ID: A5C05908

Sample wt/vol: 30.46 (g/mL) G

Lab File ID: V12283.RR

Level: (low/med) LOW

Date Samp/Recv: 10/25/2005 10/26/2005

% Moisture: 21 decanted: (Y/N) Y

Date Extracted: 10/27/2005

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 11/02/2005

Injection Volume: 2.00 (uL)

Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 7.1

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/KG Q

100-52-7-----	Benzaldehyde	410	U
108-95-2-----	Phenol	490	
111-44-4-----	Bis(2-chloroethyl) ether	410	U
95-57-8-----	2-Chlorophenol	410	U
95-48-7-----	2-Methylphenol	380	J
108-60-1-----	2,2'-Oxybis(1-Chloropropane)	410	U
98-86-2-----	Acetophenone	410	U
106-44-5-----	4-Methylphenol	300	J
621-64-7-----	N-Nitroso-Di-n-propylamine	410	U
67-72-1-----	Hexachloroethane	410	U
98-95-3-----	Nitrobenzene	410	U
78-59-1-----	Isophorone	410	U
88-75-5-----	2-Nitrophenol	410	U
105-67-9-----	2,4-Dimethylphenol	470	
111-91-1-----	Bis(2-chloroethoxy) methane	410	U
120-83-2-----	2,4-Dichlorophenol	410	U
91-20-3-----	Naphthalene	700	
106-47-8-----	4-Chloroaniline	410	U
87-68-3-----	Hexachlorobutadiene	410	U
105-60-2-----	Caprolactam	410	U
59-50-7-----	4-Chloro-3-methylphenol	410	U
91-57-6-----	2-Methylnaphthalene	740	
77-47-4-----	Hexachlorocyclopentadiene	410	U
88-06-2-----	2,4,6-Trichlorophenol	410	U
95-95-4-----	2,4,5-Trichlorophenol	410	U
92-52-4-----	Biphenyl	170	J
91-58-7-----	2-Chloronaphthalene	410	U
88-74-4-----	2-Nitroaniline	1000	U
131-11-3-----	Dimethyl phthalate	410	U
208-96-8-----	Acenaphthylene	410	U
606-20-2-----	2,6-Dinitrotoluene	410	U
99-09-2-----	3-Nitroaniline	1000	U

ASP 2000- METHOD 8270 SEMIVOLATILES
ANALYSIS DATA SHEET

175/3459

Client No.

TP-34

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: C059

Matrix: (soil/water) SOIL Lab Sample ID: A5C05908

Sample wt/vol: 30.46 (g/mL) G Lab File ID: V12283.RR

Level: (low/med) LOW Date Samp/Recv: 10/25/2005 10/26/2005

% Moisture: 21 decanted: (Y/N) Y Date Extracted: 10/27/2005

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 11/02/2005

Injection Volume: 2.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 7.1

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/KG	Q
83-32-9-----	Acenaphthene	170	J	
51-28-5-----	2,4-Dinitrophenol	1000	U	
100-02-7-----	4-Nitrophenol	1000	U	
132-64-9-----	Dibenzofuran	140	J	
121-14-2-----	2,4-Dinitrotoluene	410	U	
84-66-2-----	Diethyl phthalate	410	U	
7005-72-3-----	4-Chlorophenyl phenyl ether	410	U	
86-73-7-----	Fluorene	130	J	
100-01-6-----	4-Nitroaniline	1000	U	
534-52-1-----	4,6-Dinitro-2-methylphenol	1000	U ^R	
86-30-6-----	N-nitrosodiphenylamine	410	U	
101-55-3-----	4-Bromophenyl phenyl ether	410	U	
118-74-1-----	Hexachlorobenzene	410	U	
1912-24-9-----	Atrazine	410	U	
87-86-5-----	Pentachlorophenol	1000	U	
85-01-8-----	Phenanthrene	410	U	
120-12-7-----	Anthracene	410	U	
86-74-8-----	Carbazole	410	U	
84-74-2-----	Di-n-butyl phthalate	410	U	
206-44-0-----	Fluoranthene	410	U	
129-00-0-----	Pyrene	410	U	
85-68-7-----	Butyl benzyl phthalate	410	U	
91-94-1-----	3,3'-Dichlorobenzidine	410	U	
56-55-3-----	Benzo (a) anthracene	410	U	
218-01-9-----	Chrysene	410	U	
117-81-7-----	Bis(2-ethylhexyl) phthalate	770	B	
117-84-0-----	Di-n-octyl phthalate	120	J	
205-99-2-----	Benzo (b) fluoranthene	610		
207-08-9-----	Benzo (k) fluoranthene	660		
50-32-8-----	Benzo (a) pyrene	190	J	
193-39-5-----	Indeno (1,2,3-cd) pyrene	110	J	
53-70-3-----	Dibenzo (a,h) anthracene	29	J	

ASP 2000- METHOD 8270 SEMIVOLATILES
ANALYSIS DATA SHEET

176/3459

Client No.

TP-34

Lab Name: STL Buffalo

Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: C059

Matrix: (soil/water) SOIL

Lab Sample ID: A5C05908

Sample wt/vol: 30.46 (g/mL) G

Lab File ID: VI2283.RR

Level: (low/med) LOW

Date Samp/Recv: 10/25/2005 10/26/2005

% Moisture: 21 decanted: (Y/N) Y

Date Extracted: 10/27/2005

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 11/02/2005

Injection Volume: 2.00 (uL)

Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 7.1

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/KG Q

191-24-2-----	Benzo(ghi)perylene	140	J
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ASP 2000- METHOD 8270 SEMIVOLATILES
TENTATIVELY IDENTIFIED COMPOUNDS

177/3459

Client No.

TP-34

Lab Name: STL Buffalo Contract: _____

Lab Code: REONY Case No.: _____ SAS No.: _____ SDG No.: C059

Matrix: (soil/water) SOIL Lab Sample ID: A5C05908

Sample wt/vol: 30.46 (g/mL) G Lab File ID: V12283.RR

Level: (low/med) LOW Date Samp/Recv: 10/25/2005 10/26/2005

% Moisture: 21.3 decanted: (Y/N) Y Date Extracted: 10/27/2005

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 11/02/2005

Injection Volume: 2.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 7.1

Number TICs found: 23

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

CAS NO.	Compound Name	RT	Est. Conc.	Q
1.	ETHYLMETHYLBENZENE ISOMER	6.10	220	J
2.	TRIMETHYLBENZENE ISOMER	6.20	290	J
3.	TRIMETHYLBENZENE ISOMER	6.52	420	J
4.	UNKNOWN	7.24	500	J
5.	UNKNOWN	7.72	210	J
6.	DIMETHYLPHENOL ISOMER	7.78	280	J
7.	UNKNOWN	7.94	420	J
8.	UNKNOWN	8.27	310	J
9.	UNKNOWN	8.32	370	J
10.	UNKNOWN	8.39	300	J
11.	UNKNOWN PHENOL DER.	8.93	210	J
12.	UNKNOWN HYDROCARBON	9.33	440	J
13. 90-12-0	1-METHYLNAPHTHALENE	9.83	660	JN
14.	UNKNOWN	10.09	250	J
15.	UNKNOWN	10.50	280	J
16.	DIMETHYLNAPHTHALENE ISOMER	10.62	250	J
17.	DIMETHYLNAPHTHALENE ISOMER	10.73	760	J
18.	UNKNOWN	10.80	2500	J
19.	UNKNOWN	10.88	680	J
20.	UNKNOWN	11.03	990	J
21. 80655-44-3	DECAHYDRO-4,4,8,9,10-PENTAME	11.10	3000	JN
22.	UNKNOWN	11.16	730	J
23.	UNKNOWN	11.84	640	J

ASP 2000- METHOD 8270 SEMIVOLATILES
ANALYSIS DATA SHEET

178/3459

Client No.

TP-35

Lab Name: STL Buffalo Contract: _____

Lab Code: REONY Case No.: _____ SAS No.: _____ SDG No.: C059

Matrix: (soil/water) SOIL Lab Sample ID: A5C05909

Sample wt/vol: 30.64 (g/mL) G Lab File ID: V12284.RR

Level: (low/med) LOW Date Samp/Recv: 10/25/2005 10/26/2005

% Moisture: 23 decanted: (Y/N) N Date Extracted: 10/27/2005

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 11/02/2005

Injection Volume: 2.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 8.8

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/KG Q

100-52-7-----	Benzaldehyde	4200	U
108-95-2-----	Phenol	440	J
111-44-4-----	Bis(2-chloroethyl) ether	4200	U
95-57-8-----	2-Chlorophenol	4200	U
95-48-7-----	2-Methylphenol	1100	J
108-60-1-----	2,2'-Oxybis(1-Chloropropane)	4200	U
98-86-2-----	Acetophenone	4200	U
106-44-5-----	4-Methylphenol	940	J
621-64-7-----	N-Nitroso-Di-n-propylamine	4200	U
67-72-1-----	Hexachloroethane	4200	U
98-95-3-----	Nitrobenzene	4200	U
78-59-1-----	Isophorone	4200	U
88-75-5-----	2-Nitrophenol	4200	U
105-67-9-----	2,4-Dimethylphenol	1000	J
111-91-1-----	Bis(2-chloroethoxy) methane	4200	U
120-83-2-----	2,4-Dichlorophenol	4200	U
91-20-3-----	Naphthalene	1100	J
106-47-8-----	4-Chloroaniline	4200	U
87-68-3-----	Hexachlorobutadiene	4200	U
105-60-2-----	Caprolactam	4200	U
59-50-7-----	4-Chloro-3-methylphenol	4200	U
91-57-6-----	2-Methylnaphthalene	1400	J
77-47-4-----	Hexachlorocyclopentadiene	4200	U
88-06-2-----	2,4,6-Trichlorophenol	4200	U
95-95-4-----	2,4,5-Trichlorophenol	4200	U
92-52-4-----	Biphenyl	4200	U
91-58-7-----	2-Chloronaphthalene	4200	U
88-74-4-----	2-Nitroaniline	10000	U
131-11-3-----	Dimethyl phthalate	4200	U
208-96-8-----	Acenaphthylene	4200	U
606-20-2-----	2,6-Dinitrotoluene	4200	U
99-09-2-----	3-Nitroaniline	10000	U

ASP 2000- METHOD 8270 SEMIVOLATILES
ANALYSIS DATA SHEET

179/3459

Client No.

TP-35

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: C059

Matrix: (soil/water) SOIL

Lab Sample ID: A5C05909

Sample wt/vol: 30.64 (g/mL) G

Lab File ID: V12284.RR

Level: (low/med) LOW

Date Samp/Recv: 10/25/2005 10/26/2005

% Moisture: 23 decanted: (Y/N) N

Date Extracted: 10/27/2005

Concentrated Extract Volume: 10000 (uL)

Date Analyzed: 11/02/2005

Injection Volume: 2.00 (uL)

Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 8.8

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/KG	Q
83-32-9-----	Acenaphthene	540	J	
51-28-5-----	2,4-Dinitrophenol	10000	U	
100-02-7-----	4-Nitrophenol	10000	U	
132-64-9-----	Dibenzofuran	400	J	
121-14-2-----	2,4-Dinitrotoluene	4200	U	
84-66-2-----	Diethyl phthalate	4200	U	
7005-72-3-----	4-Chlorophenyl phenyl ether	4200	U	
86-73-7-----	Fluorene	1300	J	
100-01-6-----	4-Nitroaniline	10000	U	
534-52-1-----	4,6-Dinitro-2-methylphenol	10000	U	
86-30-6-----	N-nitrosodiphenylamine	4200	U	
101-55-3-----	4-Bromophenyl phenyl ether	4200	U	
118-74-1-----	Hexachlorobenzene	4200	U	
1912-24-9-----	Atrazine	4200	U	
87-86-5-----	Pentachlorophenol	10000	U	
85-01-8-----	Phenanthrene	4000	J	
120-12-7-----	Anthracene	1200	J	
86-74-8-----	Carbazole	4200	U	
84-74-2-----	Di-n-butyl phthalate	1300	J	
206-44-0-----	Fluoranthene	1700	J	
129-00-0-----	Pyrene	1700	J	
85-68-7-----	Butyl benzyl phthalate	4200	U	
91-94-1-----	3,3'-Dichlorobenzidine	4200	U	
56-55-3-----	Benzo(a)anthracene	390	J	
218-01-9-----	Chrysene	650	J	
117-81-7-----	Bis(2-ethylhexyl) phthalate	9500	B	
117-84-0-----	Di-n-octyl phthalate	700	J	
205-99-2-----	Benzo(b)fluoranthene	920	J	
207-08-9-----	Benzo(k)fluoranthene	1000	J	
50-32-8-----	Benzo(a)pyrene	280	J	
193-39-5-----	Indeno(1,2,3-cd)pyrene	4200	U	
53-70-3-----	Dibenzo(a,h)anthracene	4200	U	

ASP 2000- METHOD 8270 SEMIVOLATILES
ANALYSIS DATA SHEET

180/3459

Client No.

TP-35

Lab Name: STL Buffalo

Contract: _____

Lab Code: REONY Case No.: _____ SAS No.: _____ SDG No.: C059

Matrix: (soil/water) SOIL

Lab Sample ID: A5C05909

Sample wt/vol: 30.64 (g/mL) G

Lab File ID: V12284.RR

Level: (low/med) LOW

Date Samp/Recv: 10/25/2005 10/26/2005

% Moisture: 23 decanted: (Y/N) N

Date Extracted: 10/27/2005

Concentrated Extract Volume: 10000 (uL)

Date Analyzed: 11/02/2005

Injection Volume: 2.00 (uL)

Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 8.8

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/KG	Q
191-24-2-----	Benzo(ghi)perylene		170	J

ASP 2000- METHOD 8270 SEMIVOLATILES
TENTATIVELY IDENTIFIED COMPOUNDS

181/3459

Client No.

TP-35

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: C059

Matrix: (soil/water) SOIL Lab Sample ID: A5C05909

Sample wt/vol: 30.64 (g/mL) G Lab File ID: V12284.RR

Level: (low/med) LOW Date Samp/Recv: 10/25/2005 10/26/2005

% Moisture: 22.7 decanted: (Y/N) N Date Extracted: 10/27/2005

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 11/02/2005

Injection Volume: 2.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 8.8

Number TICs found: 16

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

CAS NO.	Compound Name	RT	Est. Conc.	Q
1.	UNKNOWN HYDROCARBON	7.94	2300	J
2.	UNKNOWN CYCLOHEXANE DER.	8.09	3200	J
3. 90-12-0	1-METHYLNAPHTHALENE	9.83	2000	JN
4.	DIMETHYLNAPHTHALENE ISOMER	10.73	2200	J
5.	UNKNOWN	10.79	8500	J
6.	UNKNOWN	10.88	2800	J
7.	UNKNOWN	11.02	4600	J
8. 80655-44-3	DECAHYDRO-4,4,8,9,10-PENTAME	11.10	11000	JN
9.	UNKNOWN	11.15	3200	J
10.	UNKNOWN	11.47	2400	J
11.	TRIMETHYLNAPHTHALENE ISOMER	11.72	3600	J
12.	UNKNOWN	11.84	10000	J
13.	UNKNOWN HYDROCARBON	12.30	4800	J
14. 483-78-3	NAPHTHALENE,1,6-DIMETHYL-4-(12.58	4600	JN
15.	TETRAMETHYLNAPHTHALENE ISOME	12.96	5900	J
16.	UNKNOWN PAH DER.	18.05	8400	J

ASP 2000- METHOD 8270 SEMIVOLATILES
ANALYSIS DATA SHEET

182/3459

Client No.

TP-OW-2

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: C059

Matrix: (soil/water) SOIL Lab Sample ID: A5C05904

Sample wt/vol: 30.17 (g/mL) G Lab File ID: V12279.RR

Level: (low/med) LOW Date Samp/Recv: 10/24/2005 10/26/2005

% Moisture: 38 decanted: (Y/N) N Date Extracted: 10/27/2005

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 11/02/2005

Injection Volume: 2.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 7.1

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/KG Q

100-52-7-----	Benzaldehyde	530	U
108-95-2-----	Phenol	440	J
111-44-4-----	Bis(2-chloroethyl) ether	530	U
95-57-8-----	2-Chlorophenol	530	U
95-48-7-----	2-Methylphenol	280	J
108-60-1-----	2,2'-Oxybis(1-Chloropropane)	530	U
98-86-2-----	Acetophenone	530	U
106-44-5-----	4-Methylphenol	290	J
621-64-7-----	N-Nitroso-Di-n-propylamine	530	U
67-72-1-----	Hexachloroethane	530	U
98-95-3-----	Nitrobenzene	530	U
78-59-1-----	Isophorone	530	U
88-75-5-----	2-Nitrophenol	530	U
105-67-9-----	2,4-Dimethylphenol	320	J
111-91-1-----	Bis(2-chloroethoxy) methane	530	U
120-83-2-----	2,4-Dichlorophenol	530	U
91-20-3-----	Naphthalene	450	J
106-47-8-----	4-Chloroaniline	530	U
87-68-3-----	Hexachlorobutadiene	530	U
105-60-2-----	Caprolactam	530	U
59-50-7-----	4-Chloro-3-methylphenol	530	U
91-57-6-----	2-Methylnaphthalene	430	J
77-47-4-----	Hexachlorocyclopentadiene	530	U
88-06-2-----	2,4,6-Trichlorophenol	530	U
95-95-4-----	2,4,5-Trichlorophenol	530	U
92-52-4-----	Biphenyl	88	J
91-58-7-----	2-Chloronaphthalene	530	U
88-74-4-----	2-Nitroaniline	1300	U
131-11-3-----	Dimethyl phthalate	530	U
208-96-8-----	Acenaphthylene	260	J
606-20-2-----	2,6-Dinitrotoluene	530	U
99-09-2-----	3-Nitroaniline	1300	U

ASP 2000- METHOD 8270 SEMIVOLATILES
ANALYSIS DATA SHEET

183/3459

Client No.

TP-OW-2

Lab Name: STL Buffalo Contract: _____

Lab Code: RECONY Case No.: _____ SAS No.: _____ SDG No.: C059

Matrix: (soil/water) SOIL Lab Sample ID: A5C05904

Sample wt/vol: 30.17 (g/mL) G Lab File ID: V12279.RR

Level: (low/med) LOW Date Samp/Recv: 10/24/2005 10/26/2005

% Moisture: 38 decanted: (Y/N) N Date Extracted: 10/27/2005

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 11/02/2005

Injection Volume: 2.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 7.1

CAS NO.	COMPOUND	CONCENTRATION UNITS:	
		(ug/L or ug/Kg)	UG/KG
83-32-9-----	Acenaphthene	170	J
51-28-5-----	2,4-Dinitrophenol	1300	U
100-02-7-----	4-Nitrophenol	1300	U
132-64-9-----	Dibenzofuran	160	J
121-14-2-----	2,4-Dinitrotoluene	530	U
84-66-2-----	Diethyl phthalate	530	U
7005-72-3-----	4-Chlorophenyl phenyl ether	530	U
86-73-7-----	Fluorene	460	J
100-01-6-----	4-Nitroaniline	1300	U
534-52-1-----	4,6-Dinitro-2-methylphenol	1300	U ^R
86-30-6-----	N-nitrosodiphenylamine	530	U
101-55-3-----	4-Bromophenyl phenyl ether	530	U
118-74-1-----	Hexachlorobenzene	530	U
1912-24-9-----	Atrazine	530	U
87-86-5-----	Pentachlorophenol	1300	U
85-01-8-----	Phenanthrene	1600	
120-12-7-----	Anthracene	380	J
86-74-8-----	Carbazole	81	J
84-74-2-----	Di-n-butyl phthalate	360	J
206-44-0-----	Fluoranthene	1100	
129-00-0-----	Pyrene	940	
85-68-7-----	Butyl benzyl phthalate	530	U
91-94-1-----	3,3'-Dichlorobenzidine	530	U
56-55-3-----	Benzo (a) anthracene	440	J
218-01-9-----	Chrysene	480	J
117-81-7-----	Bis (2-ethylhexyl) phthalate	900	B
117-84-0-----	Di-n-octyl phthalate	180	J
205-99-2-----	Benzo (b) fluoranthene	820	
207-08-9-----	Benzo (k) fluoranthene	860	
50-32-8-----	Benzo (a) pyrene	350	J
193-39-5-----	Indeno (1,2,3-cd) pyrene	150	J
53-70-3-----	Dibenzo (a,h) anthracene	48	J

ASP 2000- METHOD 8270 SEMIVOLATILES
ANALYSIS DATA SHEET

184/3459

Client No.

TP-OW-2

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: C059

Matrix: (soil/water) SOIL Lab Sample ID: A5C05904

Sample wt/vol: 30.17 (g/mL) G Lab File ID: V12279.RR

Level: (low/med) LOW Date Samp/Recv: 10/24/2005 10/26/2005

% Moisture: 38 decanted: (Y/N) N Date Extracted: 10/27/2005

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 11/02/2005

Injection Volume: 2.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 7.1

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/KG Q

191-24-2-----	Benzo(ghi)perylene	170	J
---------------	--------------------	-----	---

ASP 2000- METHOD 8270 SEMIVOLATILES
TENTATIVELY IDENTIFIED COMPOUNDS

185/3459

Client No.

TP-OW-2

Lab Name: STL Buffalo

Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: C059

Matrix: (soil/water) SOIL

Lab Sample ID: A5C05904

Sample wt/vol: 30.17 (g/mL) G

Lab File ID: V12279.RR

Level: (low/med) LOW

Date Samp/Recv: 10/24/2005 10/26/2005

% Moisture: 37.9 decanted: (Y/N) N

Date Extracted: 10/27/2005

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 11/02/2005

Injection Volume: 2.00 (uL)

Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 7.1

Number TICs found: 21

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

CAS NO.	Compound Name	RT	Est. Conc.	Q
1.	TRIMETHYLBENZENE ISOMER	6.20	480	J
2.	TRIMETHYLBENZENE ISOMER	6.52	650	J
3.	UNKNOWN	7.24	760	J
4.	ETHYLDIMETHYLBENZENE ISOMER	7.89	420	J
5.	ETHYLDIMETHYLBENZENE ISOMER	7.93	1000	J
6.	UNKNOWN CYCLOHEXANE DER.	8.09	560	J
7. 76089-59-3	1,3-CYCLOPENTADIENE,1,2,3,4-	8.25	940	JN
8.	UNKNOWN HYDROCARBON	8.32	650	J
9.	UNKNOWN HYDROCARBON	8.39	480	J
10.	UNKNOWN PHENOL DER.	8.93	400	J
11.	UNKNOWN HYDROCARBON	9.33	420	J
12. 90-12-0	1-METHYLNAPHTHALENE	9.82	550	JN
13.	DIMETHYLNAPHTHALENE ISOMER	10.73	680	J
14.	UNKNOWN	10.80	2100	J
15.	UNKNOWN	10.88	720	J
16. 80655-44-3	DECAHYDRO-4,4,8,9,10-PENTAME	11.10	3000	JN
17.	UNKNOWN	11.16	920	J
18.	UNKNOWN	11.48	730	J
19.	UNKNOWN	11.74	2000	J
20.	UNKNOWN	11.85	2000	J
21.	UNKNOWN PAH DER.	18.09	1100	J

DELTA - SOIL-ASP00 8082 - PCBS
ANALYSIS DATA SHEET

186/3459

Client No.

SED-10

Lab Name: STL Buffalo

Contract: _____

Lab Code: REXNY

Case No.: _____

SAS No.: _____

SDG No.: C059

Matrix: (soil/water) SOIL

Lab Sample ID: A5C05911

Sample wt/vol: 30.62 (g/mL) G

Lab File ID: 14A22125.TX0

% Moisture: 67 decanted: (Y/N) Y

Date Samp/Recv: 10/25/2005 10/26/2005

Extraction: (SepF/Cont/Sonc/Soxh): SONC

Date Extracted: 10/27/2005

Concentrated Extract Volume: 10000 (uL)

Date Analyzed: 10/28/2005

Injection Volume: 1.00 (uL)

Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH:

Sulfur Cleanup: (Y/N) N

CONCENTRATION UNITS:

(ug/L or ug/Kg) UG/KG

Q

CAS NO.	COMPOUND		
12674-11-2----	Aroclor 1016	240	U
11104-28-2----	Aroclor 1221	240	U
11141-16-5----	Aroclor 1232	240	U
53469-21-9----	Aroclor 1242	240	U
12672-29-6----	Aroclor 1248	240	U
11097-69-1----	Aroclor 1254	240	U
11096-82-5----	Aroclor 1260	320	

Lab Name: STL Buffalo

Contract: _____

SFD-11

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: C059

Matrix: (soil/water) SOIL

Lab Sample ID: A5C05912

Sample wt/vol: 30.06 (g/mL) G

Lab File ID: 14A22126.TX0

% Moisture: 61 decanted: (Y/N) Y

Date Samp/Recv: 10/25/2005 10/26/2005

Extraction: (SepF/Cont/Sonc/Soxh): SONC

Date Extracted: 10/27/2005

Concentrated Extract Volume: 10000 (uL)

Date Analyzed: 10/28/2005

Injection Volume: 1.00 (uL)

Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH:

Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS:	
		(ug/L or ug/Kg) <u>UG/KG</u>	<u>Q</u>
12674-11-2----	Aroclor 1016	200	U
11104-28-2----	Aroclor 1221	200	U
11141-16-5----	Aroclor 1232	200	U
53469-21-9----	Aroclor 1242	200	U
12672-29-6----	Aroclor 1248	200	U
11097-69-1----	Aroclor 1254	200	U
11096-82-5----	Aroclor 1260	510	

DELTA - SOIL-ASP00 8082 - PCBS
ANALYSIS DATA SHEET

188/3459

Client No.

SED-12

Lab Name: STL Buffalo

Contract: _____

Lab Code: RECNV

Case No.: _____

SAS No.: _____

SDG No.: C059

Matrix: (soil/water) SOIL

Lab Sample ID: A5C05913

Sample wt/vol: 30.80 (g/mL) G

Lab File ID: 14A22127.TX0

% Moisture: 77 decanted: (Y/N) Y

Date Samp/Recv: 10/25/2005 10/26/2005

Extraction: (SepF/Cont/Sonc/Soxh): SONC

Date Extracted: 10/27/2005

Concentrated Extract Volume: 10000 (uL)

Date Analyzed: 10/28/2005

Injection Volume: 1.00 (uL)

Dilution Factor: 5.00

GPC Cleanup: (Y/N) N pH:

Sulfur Cleanup: (Y/N) N

CONCENTRATION UNITS:

(ug/L or ug/Kg) UG/KG

Q

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) <u>UG/KG</u>	Q
12674-11-2----	Aroclor 1016	1700	U
11104-28-2----	Aroclor 1221	1700	U
11141-16-5----	Aroclor 1232	1700	U
53469-21-9----	Aroclor 1242	1700	U
12672-29-6----	Aroclor 1248	1700	U
11097-69-1----	Aroclor 1254	2800	
11096-82-5----	Aroclor 1260	1700	U

SED-13

Lab Name: STL Buffalo

Contract: _____

Lab Code: RECNV Case No.: _____ SAS No.: _____ SDG No.: C059

Matrix: (soil/water) SOIL

Lab Sample ID: A5C05914

Sample wt/vol: 30.49 (g/mL) G

Lab File ID: 14A22128.TX0

% Moisture: 58 decanted: (Y/N) Y

Date Samp/Recv: 10/25/2005 10/26/2005

Extraction: (SepF/Cont/Sonc/Soxh): SONC

Date Extracted: 10/27/2005

Concentrated Extract Volume: 10000 (uL)

Date Analyzed: 10/28/2005

Injection Volume: 1.00 (uL)

Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH:

Sulfur Cleanup: (Y/N) N

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/KG Q

12674-11-2----	Aroclor 1016	190	U
11104-28-2----	Aroclor 1221	190	U
11141-16-5----	Aroclor 1232	190	U
53469-21-9----	Aroclor 1242	190	U
12672-29-6----	Aroclor 1248	490	
11097-69-1----	Aroclor 1254	420	
11096-82-5----	Aroclor 1260	240	

DELTA - SOIL-ASP00 8082 - PCBS
ANALYSIS DATA SHEET

190/3459

Client No.

SED-14

Lab Name: STL Buffalo

Contract: _____

Lab Code: RECN

Case No.: _____

SAS No.: _____

SDG No.: C059

Matrix: (soil/water) SOIL

Lab Sample ID: A5C05915

Sample wt/vol: 30.12 (g/mL) G

Lab File ID: 14A22129.TX0

% Moisture: 57 decanted: (Y/N) Y

Date Samp/Recv: 10/25/2005 10/26/2005

Extraction: (SepF/Cont/Sonc/Soxh): SONC

Date Extracted: 10/27/2005

Concentrated Extract Volume: 10000 (uL)

Date Analyzed: 10/28/2005

Injection Volume: 1.00 (uL)

Dilution Factor: 4.00

GPC Cleanup: (Y/N) N pH: -

Sulfur Cleanup: (Y/N) N

CAS NO.

COMPOUND

CONCENTRATION UNITS:

(ug/L or ug/Kg) UG/KG

Q

12674-11-2----	Aroclor 1016	730	U R
11104-28-2----	Aroclor 1221	730	U R
11141-16-5----	Aroclor 1232	730	U R
53469-21-9----	Aroclor 1242	730	U R
12672-29-6----	Aroclor 1248	1100	J
11097-69-1----	Aroclor 1254	480	J J
11096-82-5----	Aroclor 1260	730	U R

SED-15

Lab Name: STL Buffalo

Contract: _____

Lab Code: REONY

Case No.: _____

SAS No.: _____

SDG No.: C059

Matrix: (soil/water) SOIL

Lab Sample ID: A5C05916

Sample wt/vol: 30.89 (g/mL) G

Lab File ID: 14A22130.TX0

% Moisture: 80 decanted: (Y/N) Y

Date Samp/Recv: 10/25/2005 10/26/2005

Extraction: (SepF/Cont/Sonc/Soxh): SONC

Date Extracted: 10/27/2005

Concentrated Extract Volume: 10000 (uL)

Date Analyzed: 10/28/2005

Injection Volume: 1.00 (uL)

Dilution Factor: 50.00

GPC Cleanup: (Y/N) N pH:

Sulfur Cleanup: (Y/N) N

CONCENTRATION UNITS:

(ug/L or ug/Kg) UG/KG

Q

CAS NO.	COMPOUND		
12674-11-2----	Aroclor 1016	19000	U
11104-28-2----	Aroclor 1221	19000	U
11141-16-5----	Aroclor 1232	19000	U
53469-21-9----	Aroclor 1242	19000	U
12672-29-6----	Aroclor 1248	66000	
11097-69-1----	Aroclor 1254	19000	U
11096-82-5----	Aroclor 1260	19000	U

DELTA - SOIL-ASP00 8082 - PCBS
ANALYSIS DATA SHEET

192/3459

Client No.

SED-16

Lab Name: STL Buffalo

Contract: _____

Lab Code: RECN

Case No.: _____

SAS No.: _____

SDG No.: C059

Matrix: (soil/water) SOIL

Lab Sample ID: A5C05917

Sample wt/vol: 30.42 (g/mL) G

Lab File ID: 14A22131.TX0

% Moisture: 83 decanted: (Y/N) Y

Date Samp/Recv: 10/25/2005 10/26/2005

Extraction: (SepF/Cont/Sonc/Soxh): SONC

Date Extracted: 10/27/2005

Concentrated Extract Volume: 10000 (uL)

Date Analyzed: 10/28/2005

Injection Volume: 1.00 (uL)

Dilution Factor: 50.00

GPC Cleanup: (Y/N) N pH:

Sulfur Cleanup: (Y/N) N

CONCENTRATION UNITS:

(ug/L or ug/Kg) UG/KG

Q

CAS NO.	COMPOUND		
12674-11-2----	Aroclor 1016	23000	U
11104-28-2----	Aroclor 1221	23000	U
11141-16-5----	Aroclor 1232	23000	U
53469-21-9----	Aroclor 1242	23000	U
12672-29-6----	Aroclor 1248	84000	
11097-69-1----	Aroclor 1254	17000	J
11096-82-5----	Aroclor 1260	23000	U

Lab Name: STL Buffalo

Contract: _____

SED-17

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: C059

Matrix: (soil/water) SOIL

Lab Sample ID: A5C05918

Sample wt/vol: 30.25 (g/mL) G

Lab File ID: 14A22132.TX0

% Moisture: 85 decanted: (Y/N) N

Date Samp/Recv: 10/25/2005 10/26/2005

Extraction: (SepF/Cont/Sonc/Soxh): SONC

Date Extracted: 10/27/2005

Concentrated Extract Volume: 10000 (uL)

Date Analyzed: 10/28/2005

Injection Volume: 1.00 (uL)

Dilution Factor: 10.00

GPC Cleanup: (Y/N) N pH: _

Sulfur Cleanup: (Y/N) N

CAS NO. COMPOUND CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG Q

12674-11-2----	Aroclor 1016	5300	U
11104-28-2----	Aroclor 1221	5300	U
11141-16-5----	Aroclor 1232	5300	U
53469-21-9----	Aroclor 1242	5300	U
12672-29-6----	Aroclor 1248	13000	
11097-69-1----	Aroclor 1254	4900	J
11096-82-5----	Aroclor 1260	5300	U

DELTA - SOIL-ASP00 8082 - PCBS
ANALYSIS DATA SHEET

194/3459

Client No.

Lab Name: STL Buffalo

Contract: _____

SED-18

Lab Code: RECONY Case No.: _____ SAS No.: _____ SDG No.: C059

Matrix: (soil/water) SOIL

Lab Sample ID: A5C05919

Sample wt/vol: 30.09 (g/mL) G

Lab File ID: 14A22133.TX0

% Moisture: 76 decanted: (Y/N) Y

Date Samp/Recv: 10/25/2005 10/26/2005

Extraction: (SepF/Cont/Sonc/Soxh): SONC

Date Extracted: 10/27/2005

Concentrated Extract Volume: 10000 (uL)

Date Analyzed: 10/28/2005

Injection Volume: 1.00 (uL)

Dilution Factor: 4.00

GPC Cleanup: (Y/N) N pH:

Sulfur Cleanup: (Y/N) N

CAS NO.

COMPOUND

CONCENTRATION UNITS:

(ug/L or ug/Kg) UG/KG

Q

12674-11-2----	Aroclor 1016	1300	10/28/05
11104-28-2----	Aroclor 1221	1300	
11141-16-5----	Aroclor 1232	1300	
53469-21-9----	Aroclor 1242	1300	
12672-29-6----	Aroclor 1248	2800	
11097-69-1----	Aroclor 1254	1500	
11096-82-5----	Aroclor 1260	1300	

Lab Name: STL Buffalo

Contract: _____

SED-19

Lab Code: RECNY

Case No.: _____

SAS No.: _____

SDG No.: C059

Matrix: (soil/water) SOIL

Lab Sample ID: A5C05922

Sample wt/vol: 30.67 (g/mL) G

Lab File ID: 14A22137.TX0

% Moisture: 53 decanted: (Y/N) N

Date Samp/Recv: 10/25/2005 10/26/2005

Extraction: (SepF/Cont/Sonc/Soxh): SONC

Date Extracted: 10/27/2005

Concentrated Extract Volume: 10000 (uL)

Date Analyzed: 10/28/2005

Injection Volume: 1.00 (uL)

Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH:

Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS:	
		(ug/L or ug/Kg) <u>UG/KG</u>	<u>Q</u>
12674-11-2----	Aroclor 1016	170	U
11104-28-2----	Aroclor 1221	170	U
11141-16-5----	Aroclor 1232	170	U
53469-21-9----	Aroclor 1242	170	U
12672-29-6----	Aroclor 1248	300	
11097-69-1----	Aroclor 1254	210	
11096-82-5----	Aroclor 1260	180	

DELTA - SOIL-ASPOO 8082 - PCBS
ANALYSIS DATA SHEET

196/3459

Client No.

SED-19 MS

Lab Name: STL Buffalo

Contract: _____

Lab Code: REONY Case No.: _____ SAS No.: _____ SDG No.: C059

Matrix: (soil/water) SOIL

Lab Sample ID: A5C05922MS

Sample wt/vol: 30.73 (g/mL) G

Lab File ID: 14A22138.TX0

% Moisture: 53 decanted: (Y/N) N

Date Samp/Recv: 10/25/2005 10/26/2005

Extraction: (SepF/Cont/Sonc/Soxh): SONC

Date Extracted: 10/27/2005

Concentrated Extract Volume: 10000 (uL)

Date Analyzed: 10/28/2005

Injection Volume: 1.00 (uL)

Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH:

Sulfur Cleanup: (Y/N) N

CAS NO.

COMPOUND

CONCENTRATION UNITS:

(ug/L or ug/Kg) UG/KG

Q

12674-11-2----	Aroclor 1016	430	
11104-28-2----	Aroclor 1221	160	U
11141-16-5----	Aroclor 1232	160	U
53469-21-9----	Aroclor 1242	160	U
12672-29-6----	Aroclor 1248	550	
11097-69-1----	Aroclor 1254	310	
11096-82-5----	Aroclor 1260	440	

SED-19 (n) SD

Lab Name: STL Buffalo

Contract: _____

Lab Code: RECNY

Case No.: _____

SAS No.: _____

SDG No.: C059

Matrix: (soil/water) SOIL

Lab Sample ID: A5C05922SD

Sample wt/vol: 30.67 (g/mL) G

Lab File ID: 14A22139.TX0

% Moisture: 53 decanted: (Y/N) N

Date Samp/Recv: 10/25/2005 10/26/2005

Extraction: (SepF/Cont/Sonc/Soxh): SONC

Date Extracted: 10/27/2005

Concentrated Extract Volume: 10000 (uL)

Date Analyzed: 10/28/2005

Injection Volume: 1.00 (uL)

Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH:

Sulfur Cleanup: (Y/N) N

CAS NO.

COMPOUND

CONCENTRATION UNITS:

(ug/L or ug/Kg) UG/KG

Q

12674-11-2----	Aroclor 1016	270	
11104-28-2----	Aroclor 1221	170	U
11141-16-5----	Aroclor 1232	170	U
53469-21-9----	Aroclor 1242	170	U
12672-29-6----	Aroclor 1248	330	
11097-69-1----	Aroclor 1254	180	
11096-82-5----	Aroclor 1260	240	

DELTA - SOIL-ASP00 8082 - PCBS
ANALYSIS DATA SHEET

198/3459

Client No.

SED-19A

Lab Name: STL Buffalo

Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: C059

Matrix: (soil/water) SOIL

Lab Sample ID: A5C05920

Sample wt/vol: 30.76 (g/mL) G

Lab File ID: 14A22136.TX0

% Moisture: 57 decanted: (Y/N) N

Date Samp/Recv: 10/25/2005 10/26/2005

Extraction: (SepF/Cont/Sonc/Soxh): SONC

Date Extracted: 10/27/2005

Concentrated Extract Volume: 10000 (uL)

Date Analyzed: 10/28/2005

Injection Volume: 1.00 (uL)

Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH:

Sulfur Cleanup: (Y/N) N

CONCENTRATION UNITS:

(ug/L or ug/Kg) UG/KG

Q

CAS NO.	COMPOUND		
12674-11-2----	Aroclor 1016	180	U
11104-28-2----	Aroclor 1221	180	U
11141-16-5----	Aroclor 1232	180	U
53469-21-9----	Aroclor 1242	180	U
12672-29-6----	Aroclor 1248	410	
11097-69-1----	Aroclor 1254	380	
11096-82-5----	Aroclor 1260	400	

Delta Environmental Consultants, Inc.

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INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

SED-10

Contract: CN04-015

Lab Code: STLBFO

Case No.:

SAS No.:

SDG NO.: C059

Matrix (soil/water): SOIL

Lab Sample ID: AD562819

Level (low/med): LOW

Date Received: 10/26/2005

% Solids: 33

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	7930		J	P
7440-36-0	Antimony	5.1	B	N J	P
7440-38-2	Arsenic	12.8		* J	P
7440-39-3	Barium	251		J	P
7440-41-7	Beryllium	0.50	B	J	P
7440-43-9	Cadmium	53.7		* J	P
7440-70-2	Calcium	95600		* J	P
7440-47-3	Chromium	82.8		N* J	P
7440-48-4	Cobalt	18.4		J	P
7440-50-8	Copper	238		N* J	P
7439-89-6	Iron	34700		* J	P
7439-92-1	Lead	249		* J	P
7439-95-4	Magnesium	16000		* J	P
7439-96-5	Manganese	1360		N* J	P
7440-02-0	Nickel	33.5		* J	P
7440-09-7	Potassium	1340		J	P
7782-49-2	Selenium	1.7	B	J	P
7440-22-4	Silver	0.58	B	J	P
7439-97-6	Mercury	0.292		N* J	CV
7440-23-5	Sodium	374	B	J	P
7440-28-0	Thallium	1.4	U	* J	P
7440-62-2	Vanadium	26.8		J	P
7440-66-6	Zinc	2050		N* J	P

Color Before: BROWN

Clarity Before: CLOUDY

Texture: TOPSOIL

Color After: YELLOW

Clarity After: CLDY/FI

Artifacts:

Comments:

Delta Environmental Consultants, Inc.

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INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

SED-11

Contract: CN04-015

Lab Code: STLBFO

Case No.:

SAS No.:

SDG NO.: C059

Matrix (soil/water): SOIL

Lab Sample ID: AD562820

Level (low/med): LOW

Date Received: 10/26/2005

% Solids: 39

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	12600		J	P
7440-36-0	Antimony	3.3	B	N J	P
7440-38-2	Arsenic	10.5		* J	P
7440-39-3	Barium	341		J	P
7440-41-7	Beryllium	0.69	B	J	P
7440-43-9	Cadmium	20.4		* J	P
7440-70-2	Calcium	99200		* J	P
7440-47-3	Chromium	71.7		N* J	P
7440-48-4	Cobalt	7.4	B	J	P
7440-50-8	Copper	231		N* J	P
7439-89-6	Iron	37400		* J	P
7439-92-1	Lead	301		* J	P
7439-95-4	Magnesium	18500		* J	P
7439-96-5	Manganese	495		N* J	P
7440-02-0	Nickel	36.2		* J	P
7440-09-7	Potassium	1810		J	P
7782-49-2	Selenium	1.9	B	J	P
7440-22-4	Silver	0.75	B	J	P
7439-97-6	Mercury	0.321		N* J	CV
7440-23-5	Sodium	639	B	J	P
7440-28-0	Thallium	1.3	U	* J	P
7440-62-2	Vanadium	39.3		J	P
7440-66-6	Zinc	1170		N* J	P

Color Before: BROWN

Clarity Before: CLOUDY

Texture: TOPSOIL

Color After: YELLOW

Clarity After: CLDY/FI

Artifacts:

Comments:

Delta Environmental Consultants, Inc.

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INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

SED-12

Contract: CN04-015

Lab Code: STLBFLO

Case No.: _____

SAS No.: _____

SDG NO.: C059

Matrix (soil/water): SOIL

Lab Sample ID: AD562821

Level (low/med): LOW

Date Received: 10/26/2005

% Solids: 23

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	12400		J	P
7440-36-0	Antimony	4.5	B	N J	P
7440-38-2	Arsenic	20.3		* J	P
7440-39-3	Barium	333		J	P
7440-41-7	Beryllium	0.73	B	J	P
7440-43-9	Cadmium	82.6		* J	P
7440-70-2	Calcium	62500		* J	P
7440-47-3	Chromium	127		N* J	P
7440-48-4	Cobalt	7.0	B	J	P
7440-50-8	Copper	253		N* J	P
7439-89-6	Iron	40600		* J	P
7439-92-1	Lead	204		* J	P
7439-95-4	Magnesium	8430		* J	P
7439-96-5	Manganese	375		N* J	P
7440-02-0	Nickel	48.7		* J	P
7440-09-7	Potassium	1740	B	J	P
7782-49-2	Selenium	2.7	B	J	P
7440-22-4	Silver	0.86	B	J	P
7439-97-6	Mercury	0.452		N* J	CV
7440-23-5	Sodium	1030	B	J	P
7440-28-0	Thallium	2.1	U	* J	P
7440-62-2	Vanadium	36.6		J	P
7440-66-6	Zinc	2360		N* J	P

Color Before: BROWN

Clarity Before: CLOUDY

Texture: TOPSOIL

Color After: YELLOW

Clarity After: CLDY/FI

Artifacts: _____

Comments: _____

Delta Environmental Consultants, Inc.

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INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

SED-13

Contract: CN04-015

Lab Code: STLBFO

Case No.:

SAS No.:

SDG NO.: C059

Matrix (soil/water): SOIL

Lab Sample ID: AD562822

Level (low/med): LOW

Date Received: 10/26/2005

% Solids: 42

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	9530		J	P
7440-36-0	Antimony	1.4	B	N J	P
7440-38-2	Arsenic	8.9		* J	P
7440-39-3	Barium	199		J	P
7440-41-7	Beryllium	0.52	B	J	P
7440-43-9	Cadmium	40.0		* J	P
7440-70-2	Calcium	64300		* J	P
7440-47-3	Chromium	86.2		N* J	P
7440-48-4	Cobalt	10.0	B	J	P
7440-50-8	Copper	126		N* J	P
7439-89-6	Iron	29900		* J	P
7439-92-1	Lead	169		* J	P
7439-95-4	Magnesium	14600		* J	P
7439-96-5	Manganese	988		N* J	P
7440-02-0	Nickel	38.4		* J	P
7440-09-7	Potassium	1710		J	P
7782-49-2	Selenium	1.6	B	J	P
7440-22-4	Silver	1.2	B	J	P
7439-97-6	Mercury	0.265		N* J	CV
7440-23-5	Sodium	490	B	J	P
7440-28-0	Thallium	1.3	U	* J	P
7440-62-2	Vanadium	28.2		J	P
7440-66-6	Zinc	952		N* J	P

Color Before: BROWN

Clarity Before: CLOUDY

Texture: TOPSOIL

Color After: YELLOW

Clarity After: CLDY/FI

Artifacts:

Comments:

Delta Environmental Consultants, Inc.

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INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

SED-14

Contract: CN04-015

Lab Code: STLBFLO

Case No.:

SAS No.:

SDG NO.: C059

Matrix (soil/water): SOIL

Lab Sample ID: AD562823

Level (low/med): LOW

Date Received: 10/26/2005

% Solids: 43

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	8590		J	P
7440-36-0	Antimony	1.5	B	N J	P
7440-38-2	Arsenic	7.5		* J	P
7440-39-3	Barium	156		J	P
7440-41-7	Beryllium	0.46	B	J	P
7440-43-9	Cadmium	17.5		* J	P
7440-70-2	Calcium	63200		* J	P
7440-47-3	Chromium	78.3		N* J	P
7440-48-4	Cobalt	6.0	B	J	P
7440-50-8	Copper	111		N* J	P
7439-89-6	Iron	23000		* J	P
7439-92-1	Lead	110		* J	P
7439-95-4	Magnesium	15100		* J	P
7439-96-5	Manganese	299		N* J	P
7440-02-0	Nickel	31.8		* J	P
7440-09-7	Potassium	1730		J	P
7782-49-2	Selenium	1.1	B	J	P
7440-22-4	Silver	1.3	B	J	P
7439-97-6	Mercury	0.192		N* J	CV
7440-23-5	Sodium	480	B	J	P
7440-28-0	Thallium	1.3	U	* J	P
7440-62-2	Vanadium	22.3		J	P
7440-66-6	Zinc	463		N* J	P

Color Before: BROWN

Clarity Before: CLOUDY

Texture: TOPSOIL

Color After: YELLOW

Clarity After: CLDY/FI

Artifacts:

Comments:

Delta Environmental Consultants, Inc.

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INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

SED-15

Contract: CN04-015

Lab Code: STLBFL0

Case No.: _____

SAS No.: _____

SDG No.: C059

Matrix (soil/water): SOIL

Lab Sample ID: AD562824

Level (low/med): LOW

Date Received: 10/26/2005

% Solids: 20

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	14800		J	P
7440-36-0	Antimony	2.3	B	NJ	P
7440-38-2	Arsenic	16.0		*J	P
7440-39-3	Barium	548		J	P
7440-41-7	Beryllium	1.1	B	J	P
7440-43-9	Cadmium	10.8		*J	P
7440-70-2	Calcium	94500		*J	P
7440-47-3	Chromium	2930		N*J	P
7440-48-4	Cobalt	13.8	B	J	P
7440-50-8	Copper	1070		N*J	P
7439-89-6	Iron	29100		*J	P
7439-92-1	Lead	396		*J	P
7439-95-4	Magnesium	14000		*J	P
7439-96-5	Manganese	508		N*J	P
7440-02-0	Nickel	977		*J	P
7440-09-7	Potassium	3490		J	P
7782-49-2	Selenium	2.7	B	J	P
7440-22-4	Silver	7.0		J	P
7439-97-6	Mercury	0.685		N*J	CV
7440-23-5	Sodium	4920		J	P
7440-28-0	Thallium	3.0	U	*J	P
7440-62-2	Vanadium	39.1		J	P
7440-66-6	Zinc	926		N*J	P

Color Before: BROWN

Clarity Before: CLOUDY

Texture: TOPSOIL

Color After: YELLOW

Clarity After: CLDY/FI

Artifacts: _____

Comments: _____

Delta Environmental Consultants, Inc.

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INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

SED-16

Contract: CN04-015

Lab Code: STLBFO

Case No.:

SAS No.:

SDG NO.: C059

Matrix (soil/water): SOIL

Lab Sample ID: AD562825

Level (low/med): LOW

Date Received: 10/26/2005

% Solids: 17

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	18700		J	P
7440-36-0	Antimony	1.8	U	N J	P
7440-38-2	Arsenic	30.5		* J	P
7440-39-3	Barium	387		J	P
7440-41-7	Beryllium	1.3	B	J	P
7440-43-9	Cadmium	45.6		* J	P
7440-70-2	Calcium	28400		* J	P
7440-47-3	Chromium	5440		N* J	P
7440-48-4	Cobalt	17.5	B	J	P
7440-50-8	Copper	2440		N* J	P
7439-89-6	Iron	44300		* J	P
7439-92-1	Lead	375		* J	P
7439-95-4	Magnesium	13200		* J	P
7439-96-5	Manganese	338		N* J	P
7440-02-0	Nickel	1990		* J	P
7440-09-7	Potassium	4040		J	P
7782-49-2	Selenium	3.7	B	J	P
7440-22-4	Silver	11.6		J	P
7439-97-6	Mercury	0.620		N* J	CV
7440-23-5	Sodium	2440	B	J	P
7440-28-0	Thallium	3.1	U	* J	P
7440-62-2	Vanadium	50.7		J	P
7440-66-6	Zinc	984		N* J	P

Color Before: BROWN

Clarity Before: CLOUDY

Texture: TOPSOIL

Color After: YELLOW

Clarity After: CLDY/FI

Artifacts:

Comments:

Delta Environmental Consultants, Inc.

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INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

SED-17

Contract: CN04-015

Lab Code: STLBFLO

Case No.:

SAS No.:

SDG NO.: C059

Matrix (soil/water): SOIL

Lab Sample ID: AD562826

Level (low/med): LOW

Date Received: 10/26/2005

% Solids: 15

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	14900		J	P
7440-36-0	Antimony	5.6	B	N J	P
7440-38-2	Arsenic	24.4		* J	P
7440-39-3	Barium	213		J	P
7440-41-7	Beryllium	1.1	B	J	P
7440-43-9	Cadmium	98.7		* J	P
7440-70-2	Calcium	41000		* J	P
7440-47-3	Chromium	1680		N* J	P
7440-48-4	Cobalt	10.7	B	J	P
7440-50-8	Copper	628		N* J	P
7439-89-6	Iron	26500		* J	P
7439-92-1	Lead	503		* J	P
7439-95-4	Magnesium	9910		* J	P
7439-96-5	Manganese	764		N* J	P
7440-02-0	Nickel	775		* J	P
7440-09-7	Potassium	2860	B	J	P
7782-49-2	Selenium	4.3	B	J	P
7440-22-4	Silver	3.1	B	J	P
7439-97-6	Mercury	0.437		N* J	CV
7440-23-5	Sodium	2200	B	J	P
7440-28-0	Thallium	3.7	U	* J	P
7440-62-2	Vanadium	53.6		J	P
7440-66-6	Zinc	2540		N* J	P

Color Before: BROWN

Clarity Before: CLOUDY

Texture: TOPSOIL

Color After: YELLOW

Clarity After: CLDY/FI

Artifacts:

Comments:

Delta Environmental Consultants, Inc.

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INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

SED-18

Contract: CN04-015

Lab Code: STLBFO

Case No.:

SAS No.:

SDG NO.: C059

Matrix (soil/water): SOIL

Lab Sample ID: AD562827

Level (low/med): LOW

Date Received: 10/26/2005

% Solids: 24

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	9830		J	P
7440-36-0	Antimony	2.6	B	NJ	P
7440-38-2	Arsenic	12.1		* J	P
7440-39-3	Barium	121		J	P
7440-41-7	Beryllium	1.1	B	J	P
7440-43-9	Cadmium	12.6		* J	P
7440-70-2	Calcium	39400		* J	P
7440-47-3	Chromium	270		N* J	P
7440-48-4	Cobalt	7.4	B	J	P
7440-50-8	Copper	354		N* J	P
7439-89-6	Iron	22600		* J	P
7439-92-1	Lead	153		* J	P
7439-95-4	Magnesium	4540		* J	P
7439-96-5	Manganese	528		N* J	P
7440-02-0	Nickel	203		* J	P
7440-09-7	Potassium	1400	B	J	P
7782-49-2	Selenium	3.6	B	J	P
7440-22-4	Silver	0.81	B	J	P
7439-97-6	Mercury	0.437		N* J	CV
7440-23-5	Sodium	1090	B	J	P
7440-28-0	Thallium	2.2	U	* J	P
7440-62-2	Vanadium	32.7		J	P
7440-66-6	Zinc	588		N* J	P

Color Before: BROWN

Clarity Before: CLOUDY

Texture: TOPSOIL

Color After: YELLOW

Clarity After: CLDY/FI

Artifacts:

Comments:

Delta Environmental Consultants, Inc.

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INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

SED-19

Contract: CN04-015

Lab Code: STLBFL0

Case No.:

SAS No.:

SDG NO.: C059

Matrix (soil/water): SOIL

Lab Sample ID: AD562829

Level (low/med): LOW

Date Received: 10/26/2005

% Solids: 47

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	5670		J	P
7440-36-0	Antimony	1.7	B	NJ	P
7440-38-2	Arsenic	5.6		*J	P
7440-39-3	Barium	72.7		J	P
7440-41-7	Beryllium	0.45	B	J	P
7440-43-9	Cadmium	3.4		*J	P
7440-70-2	Calcium	13900		*J	P
7440-47-3	Chromium	28.4		N*J	P
7440-48-4	Cobalt	4.2	B	J	P
7440-50-8	Copper	260		N*J	P
7439-89-6	Iron	18900		*J	P
7439-92-1	Lead	68.5		*J	P
7439-95-4	Magnesium	3890		*J	P
7439-96-5	Manganese	165		N*J	P
7440-02-0	Nickel	29.6		*J	P
7440-09-7	Potassium	1070		J	P
7782-49-2	Selenium	0.85	B	J	P
7440-22-4	Silver	0.56	B	J	P
7439-97-6	Mercury	0.156		N*J	CV
7440-23-5	Sodium	297	B	J	P
7440-28-0	Thallium	1.1	U	*J	P
7440-62-2	Vanadium	16.9		J	P
7440-66-6	Zinc	341		N*J	P

Color Before: BROWN

Clarity Before: CLOUDY

Texture: TOPSOIL

Color After: YELLOW

Clarity After: CLDY/FI

Artifacts:

Comments:

Delta Environmental Consultants, Inc.

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INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

SED-19A

Contract: CN04-015

Lab Code: STLBFLO

Case No.:

SAS No.:

SDG NO.: C059

Matrix (soil/water): SOIL

Lab Sample ID: AD562828

Level (low/med): LOW

Date Received: 10/26/2005

% Solids: 43

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	7650		J	P
7440-36-0	Antimony	2.2	B	N J	P
7440-38-2	Arsenic	8.8		* J	P
7440-39-3	Barium	113		J	P
7440-41-7	Beryllium	0.48	B	J	P
7440-43-9	Cadmium	10.8		* J	P
7440-70-2	Calcium	41200		* J	P
7440-47-3	Chromium	85.5		N* J	P
7440-48-4	Cobalt	5.9	B	J	P
7440-50-8	Copper	237		N* J	P
7439-89-6	Iron	18100		* J	P
7439-92-1	Lead	133		* J	P
7439-95-4	Magnesium	9570		* J	P
7439-96-5	Manganese	292		N* J	P
7440-02-0	Nickel	99.5		* J	P
7440-09-7	Potassium	1450		J	P
7782-49-2	Selenium	2.1	B	J	P
7440-22-4	Silver	0.43	B	J	P
7439-97-6	Mercury	0.248		N* J	CV
7440-23-5	Sodium	487	B	J	P
7440-28-0	Thallium	1.3	U	* J	P
7440-62-2	Vanadium	22.3		J	P
7440-66-6	Zinc	507		N* J	P

Color Before: BROWN

Clarity Before: CLOUDY

Texture: TOPSOIL

Color After: YELLOW

Clarity After: CLDY/FI

Artifacts:

Comments:

Delta Environmental Consultants, Inc.

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INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

TP-21

Contract: CN04-015

Lab Code: STLBFLO

Case No.:

SAS No.:

SDG NO.: C059

Matrix (soil/water): SOIL

Lab Sample ID: AD562302

Level (low/med): LOW

Date Received: 10/26/2005

% Solids: 43

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7440-38-2	Arsenic	31.1		J	P
7440-41-7	Beryllium	1.2		J	P
7440-43-9	Cadmium	68.0		J	P
7440-47-3	Chromium	1560		J	P
7440-50-8	Copper	90.4		J	P
7439-92-1	Lead	143		J	P
7440-02-0	Nickel	15.6		E J	P
7439-97-6	Mercury	0.974		N* J	CV
7440-66-6	Zinc	33600		J	P

Color Before: BROWN

Clarity Before: CLOUDY

Texture: TOPSOIL

Color After: YELLOW

Clarity After: CLDY/FI

Artifacts:

Comments:

Delta Environmental Consultants, Inc.

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INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

TP-23

Contract: CN04-015

Lab Code: STLBFL0

Case No.:

SAS No.:

SDG NO.: C059

Matrix (soil/water): SOIL

Lab Sample ID: AD562303

Level (low/med): LOW

Date Received: 10/26/2005

% Solids: 45

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7440-38-2	Arsenic	14.8		J	P
7440-41-7	Beryllium	0.59	B	J	P
7440-43-9	Cadmium	126		J	P
7440-47-3	Chromium	25.6		J	P
7440-50-8	Copper	188		J	P
7439-92-1	Lead	43.6		J	P
7440-02-0	Nickel	34.3		EJ	P
7439-97-6	Mercury	0.850		N*J	CV
7440-66-6	Zinc	2720		J	P

Color Before: BROWN

Clarity Before: CLOUDY

Texture: TOPSOIL

Color After: YELLOW

Clarity After: CLDY/FI

Artifacts:

Comments:

Delta Environmental Consultants, Inc.

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INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

TP-26

Contract: CN04-015

Lab Code: STLBFO

Case No.:

SAS No.:

SDG NO.: C059

Matrix (soil/water): SOIL

Lab Sample ID: AD562304

Level (low/med): LOW

Date Received: 10/26/2005

% Solids: 47

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7440-38-2	Arsenic	8.4		J	P
7440-41-7	Beryllium	0.82	B	J	P
7440-43-9	Cadmium	6.3		J	P
7440-47-3	Chromium	293		J	P
7440-50-8	Copper	12900		J	P
7439-92-1	Lead	621		J	P
7440-02-0	Nickel	204	E	J	P
7439-97-6	Mercury	0.492	N*	J	CV
7440-66-6	Zinc	7510		J	P

Color Before: BROWN

Clarity Before: CLOUDY

Texture: TOPSOIL

Color After: YELLOW

Clarity After: CLDY/FL

Artifacts:

Comments:

Delta Environmental Consultants, Inc.

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INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

TP-28

Contract: CN04-015

Lab Code: STLBFLO

Case No.:

SAS No.:

SDG NO.: C059

Matrix (soil/water): SOIL

Lab Sample ID: AD562306

Level (low/med): LOW

Date Received: 10/26/2005

% Solids: 59

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7440-38-2	Arsenic	3.6		J	P
7440-41-7	Beryllium	0.34	B		P
7440-43-9	Cadmium	0.75	B	J	P
7440-47-3	Chromium	39.8		J	P
7440-50-8	Copper	43.8		J	P
7439-92-1	Lead	78.2		J	P
7440-02-0	Nickel	24.0		E J	P
7439-97-6	Mercury	0.222		N* J	CV
7440-66-6	Zinc	196		J	P

Color Before: BROWN

Clarity Before: CLOUDY

Texture: TOPSOIL

Color After: YELLOW

Clarity After: CLDY/FI

Artifacts:

Comments:

Delta Environmental Consultants, Inc.

-1-

INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

TP-30

Contract: CN04-015

Lab Code: STLBFL0

Case No.:

SAS No.:

SDG NO.: C059

Matrix (soil/water): SOIL

Lab Sample ID: AD562308

Level (low/med): LOW

Date Received: 10/26/2005

% Solids: 92

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7440-38-2	Arsenic	5.8		J	P
7440-41-7	Beryllium	0.39	B		P
7440-43-9	Cadmium	0.33	B	J	P
7440-47-3	Chromium	8.9		J	P
7440-50-8	Copper	20.6		J	P
7439-92-1	Lead	109		J	P
7440-02-0	Nickel	19.0		E J	P
7439-97-6	Mercury	0.025		N* J	CV
7440-66-6	Zinc	74.1		J	P

Color Before: BROWN

Clarity Before: CLOUDY

Texture: TOPSOIL

Color After: YELLOW

Clarity After: CLDY/FI

Artifacts:

Comments:

Delta Environmental Consultants, Inc.

-1-

INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

TP-32

Contract: CN04-015

Lab Code: STLBFL0

Case No.:

SAS No.:

SDG NO.: C059

Matrix (soil/water): SOIL

Lab Sample ID: AD562307

Level (low/med): LOW

Date Received: 10/26/2005

% Solids: 81

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7440-38-2	Arsenic	3.0		J	P
7440-41-7	Beryllium	0.87			P
7440-43-9	Cadmium	3.1		J	P
7440-47-3	Chromium	34.2		J	P
7440-50-8	Copper	50.3		J	P
7439-92-1	Lead	59.6		J	P
7440-02-0	Nickel	11.9		E J	P
7439-97-6	Mercury	0.010	B	N* J	CV
7440-66-6	Zinc	337		J	P

Color Before: BROWN

Clarity Before: CLOUDY

Texture: TOPSOIL

Color After: YELLOW

Clarity After: CLDY/FI

Artifacts:

Comments:

Delta Environmental Consultants, Inc.

-1-

INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

TP-34

Contract: CN04-015

Lab Code: STLBFLO

Case No.:

SAS No.:

SDG NO.: C059

Matrix (soil/water): SOIL

Lab Sample ID: AD562309

Level (low/med): LOW

Date Received: 10/26/2005

% Solids: 79

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7440-38-2	Arsenic	1.8		J	P
7440-41-7	Beryllium	0.49	B		P
7440-43-9	Cadmium	0.38	B	J	P
7440-47-3	Chromium	18.2		J	P
7440-50-8	Copper	21.0		J	P
7439-92-1	Lead	17.3		J	P
7440-02-0	Nickel	9.6		E J	P
7439-97-6	Mercury	0.011	B	N* J	CV
7440-66-6	Zinc	78.1		J	P

Color Before: BROWN

Clarity Before: CLOUDY

Texture: TOPSOIL

Color After: YELLOW

Clarity After: CLDY/FI

Artifacts:

Comments:

Delta Environmental Consultants, Inc.

-1-

INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

TP-35

Contract: CN04-015

Lab Code: STLBFL0

Case No.:

SAS No.:

SDG NO.: C059

Matrix (soil/water): SOIL

Lab Sample ID: AD562310

Level (low/med): LOW

Date Received: 10/26/2005

% Solids: 77

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7440-38-2	Arsenic	5.1		J	P
7440-41-7	Beryllium	0.62	B		P
7440-43-9	Cadmium	1.1		J	P
7440-47-3	Chromium	107		J	P
7440-50-8	Copper	114		J	P
7439-92-1	Lead	40.7		J	P
7440-02-0	Nickel	60.7		E J	P
7439-97-6	Mercury	0.005	U	N*J	CV
7440-66-6	Zinc	316		J	P

Color Before: BROWN

Clarity Before: CLOUDY

Texture: TOPSOIL

Color After: YELLOW

Clarity After: CLDY/FI

Artifacts:

Comments:

Delta Environmental Consultants, Inc.

-1-

INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

TP-OW-2

Contract: CN04-015

Lab Code: STLBFLO

Case No.:

SAS No.:

SDG No.: C059

Matrix (soil/water): SOIL

Lab Sample ID: AD562305

Level (low/med): LOW

Date Received: 10/26/2005

% Solids: 62

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7440-38-2	Arsenic	4.3		J	P
7440-41-7	Beryllium	0.82	B		P
7440-43-9	Cadmium	3.2		J	P
7440-47-3	Chromium	74.7		J	P
7440-50-8	Copper	95.4		J	P
7439-92-1	Lead	26.4		J	P
7440-02-0	Nickel	44.8		E J	P
7439-97-6	Mercury	0.051		N*J	CV
7440-66-6	Zinc	216		J	P

Color Before: BROWN

Clarity Before: CLOUDY

Texture: TOPSOIL

Color After: YELLOW

Clarity After: CLDY/FI

Artifacts:

Comments:

Wet Chemistry Analysis

219/3459

Client Sample No.

SED-10

Lab Name: STL Buffalo

Contract: _____

Lab Code: RECNY

Case No.: _____

SAS No.: _____

SDG No.: C059Matrix (soil/water): SOILLab Sample ID: A5C05911% Solids: 0.0Date Samp/Recv: 10/25/2005 10/26/2005

Parameter Name	Units of Measure	Result	C	Q	M	Method Number	Analyzed Date
Leachable pH	S.U.	7.30				9045	10/27/2005

Comments:

Wet Chemistry Analysis

220/3459

Client Sample No.

SED-10

Lab Name: STL Buffalo

Contract: _____

Lab Code: RECNY

Case No.: _____

SAS No.: _____

SDG No.: C059Matrix (soil/water): SOILLab Sample ID: A5C06001% Solids: 0.0Date Samp/Recv: 10/25/2005 10/26/2005

Parameter Name	Units of Measure	Result	C	Q	M	Method Number	Analyzed Date
Total Organic Carbon	MG/KG	89000		J		KAHN	11/02/2005

Comments:

Wet Chemistry Analysis

221/3459

Client Sample No.

SED-11

Lab Name: STL Buffalo

Contract: _____

Lab Code: RECONY

Case No.: _____

SAS No.: _____

SDG No.: C059Matrix (soil/water): SOILLab Sample ID: A5C05912% Solids: 0.0Date Samp/Recv: 10/25/2005 10/26/2005

Parameter Name	Units of Measure	Result	C	Q	M	Method Number	Analyzed Date
Leachable pH	S.U.	7.00				9045	10/27/2005

Comments:

Wet Chemistry Analysis

222/3459

Client Sample No.

SED-11

Lab Name: STL Buffalo

Contract: _____

Lab Code: REONY

Case No.: _____

SAS No.: _____

SDG No.: C059Matrix (soil/water): SOILLab Sample ID: A5C06002% Solids: 0.0Date Samp/Recv: 10/25/2005 10/26/2005

Parameter Name	Units of Measure	Result	C	Q	M	Method Number	Analyzed Date
Total Organic Carbon	MG/KG	75000		J		KAHN	11/02/2005

Comments:

Wet Chemistry Analysis

223/3459

Client Sample No.

SED-12

Lab Name: STL Buffalo

Contract: _____

Lab Code: RECNY

Case No.: _____

SAS No.: _____

SDG No.: C059Matrix (soil/water): SOILLab Sample ID: A5C05913% Solids: 0.0Date Samp/Recv: 10/25/2005 10/26/2005

Parameter Name	Units of Measure	Result	C	Q	M	Method Number	Analyzed Date
Leachable pH _____	S.U.	7.16				9045	10/27/2005

Comments:

Wet Chemistry Analysis

224/3459

Client Sample No.

SED-12

Lab Name: STL Buffalo

Contract: _____

Lab Code: RECNY

Case No.: _____

SAS No.: _____

SDG No.: C059Matrix (soil/water): SOILLab Sample ID: A5C06003% Solids: 0.0Date Samp/Recv: 10/25/2005 10/26/2005

Parameter Name	Units of Measure	Result	C	Q	M	Method Number	Analyzed Date
Total Organic Carbon	MG/KG	140000		J		KAHN	11/02/2005

Comments:

Wet Chemistry Analysis

225/3459

Client Sample No.

Lab Name: STL Buffalo

Contract: _____

SED-13

Lab Code: RECNY

Case No.: _____

SAS No.: _____

SDG No.: C059Matrix (soil/water): SOILLab Sample ID: A5C05914% Solids: 0.0Date Samp/Recv: 10/25/2005 10/26/2005

Parameter Name	Units of Measure	Result	C	Q	M	Method Number	Analyzed Date
Leachable pH _____	S.U.	7.37				9045	10/27/2005

Comments:

Wet Chemistry Analysis

226/3459

Client Sample No.

SED-13

Lab Name: STL Buffalo

Contract: _____

Lab Code: REONY

Case No.: _____

SAS No.: _____

SDG No.: C059Matrix (soil/water): SOILLab Sample ID: A5C06004% Solids: 0.0Date Samp/Recv: 10/25/2005 10/26/2005

Parameter Name	Units of Measure	Result	C	Q	M	Method Number	Analyzed Date
Total Organic Carbon _____	MG/KG	67000		J		KAHN	11/02/2005

Comments:

Wet Chemistry Analysis

227/3459

Client Sample No.

SED-14

Lab Name: STL Buffalo

Contract: _____

Lab Code: RECNY

Case No.: _____

SAS No.: _____

SDG No.: C059Matrix (soil/water): SOILLab Sample ID: A5C05915% Solids: 0.0Date Samp/Recv: 10/25/2005 10/26/2005

Parameter Name	Units of Measure	Result	C	Q	M	Method Number	Analyzed Date
Leachable pH	S.U.	7.14				9045	10/27/2005

Comments:

Wet Chemistry Analysis

228/3459

Client Sample No.

SED-14

Lab Name: STL Buffalo

Contract: _____

Lab Code: RECONY

Case No.: _____

SAS No.: _____

SDG No.: C059Matrix (soil/water): SOILLab Sample ID: A5C06005% Solids: 0.0Date Samp/Recv: 10/25/2005 10/26/2005

Parameter Name	Units of Measure	Result	C	Q	M	Method Number	Analyzed Date
Total Organic Carbon _____	MG/KG	50000		J		KAHN	11/02/2005

Comments:

Wet Chemistry Analysis

229/3459

Client Sample No.

SED-15

Lab Name: STL Buffalo

Contract: _____

Lab Code: RECNY

Case No.: _____

SAS No.: _____

SDG No.: C059Matrix (soil/water): SOILLab Sample ID: A5C05916% Solids: 0.0Date Samp/Recv: 10/25/2005 10/26/2005

Parameter Name	Units of Measure	Result	C	Q	M	Method Number	Analyzed Date
Leachable pH	S.U.	7.10				9045	10/27/2005

Comments:

Wet Chemistry Analysis

230/3459

Client Sample No.

SED-15

Lab Name: STL Buffalo

Contract: _____

Lab Code: REONY

Case No.: _____

SAS No.: _____

SDG No.: C059Matrix (soil/water): SOILLab Sample ID: A5C06006% Solids: 0.0Date Samp/Recv: 10/25/2005 10/26/2005

Parameter Name	Units of Measure	Result	C	Q	M	Method Number	Analyzed Date
Total Organic Carbon	MG/KG	65000		J		KAHN	11/02/2005

Comments:

Wet Chemistry Analysis

231/3459

Client Sample No.

SED-16

Lab Name: STL Buffalo

Contract: _____

Lab Code: RECNY

Case No.: _____

SAS No.: _____

SDG No.: C059Matrix (soil/water): SOILLab Sample ID: A5C05917% Solids: 0.0Date Samp/Recv: 10/25/2005 10/26/2005

Parameter Name	Units of Measure	Result	C	Q	M	Method Number	Analyzed Date
Leachable pH	S.U.	7.02				9045	10/27/2005

Comments:

Wet Chemistry Analysis

232/3459

Client Sample No.

SED-16

Lab Name: STL Buffalo

Contract: _____

Lab Code: RECNY

Case No.: _____

SAS No.: _____

SDG No.: C059Matrix (soil/water): SOILLab Sample ID: A5C06007% Solids: 0.0Date Samp/Recv: 10/25/2005 10/26/2005

Parameter Name	Units of Measure	Result	C	Q	M	Method Number	Analyzed Date
Total Organic Carbon	MG/KG	150000		J		KAHN	11/02/2005

Comments:

Wet Chemistry Analysis

233/3459

Client Sample No.

Lab Name: STL Buffalo

Contract: _____

SED-17

Lab Code: RECNY

Case No.: _____

SAS No.: _____

SDG No.: C059Matrix (soil/water): SOILLab Sample ID: A5C05918% Solids: 0.0Date Samp/Recv: 10/25/2005 10/26/2005

Parameter Name	Units of Measure	Result	C	Q	M	Method Number	Analyzed Date
Leachable pH	S.U.	6.88				9045	10/27/2005

Comments:

Wet Chemistry Analysis

234/3459

Client Sample No.

SED-17

Lab Name: STL Buffalo

Contract: _____

Lab Code: RECNY

Case No.: _____

SAS No.: _____

SDG No.: C059Matrix (soil/water): SOILLab Sample ID: A5C06008% Solids: 0.0Date Samp/Recv: 10/25/2005 10/26/2005

Parameter Name	Units of Measure	Result	C	Q	M	Method Number	Analyzed Date
Total Organic Carbon	MG/KG	120000		J		KAHN	11/02/2005

Comments:

Wet Chemistry Analysis

235/3459

Client Sample No.

SED-18

Lab Name: STL Buffalo

Contract: _____

Lab Code: RECNY

Case No.: _____

SAS No.: _____

SDG No.: C059Matrix (soil/water): SOILLab Sample ID: A5C05919% Solids: 0.0Date Samp/Recv: 10/25/2005 10/26/2005

Parameter Name	Units of Measure	Result	C	Q	M	Method Number	Analyzed Date
Leachable pH	S.U.	7.20				9045	10/27/2005

Comments:

Wet Chemistry Analysis

236/3459

Client Sample No.

SED-18

Lab Name: STL Buffalo

Contract: _____

Lab Code: RECNY

Case No.: _____

SAS No.: _____

SDG No.: C059Matrix (soil/water): SOILLab Sample ID: A5C06009% Solids: 0.0Date Samp/Recv: 10/25/2005 10/26/2005

Parameter Name	Units of Measure	Result	C	Q	M	Method Number	Analyzed Date
Total Organic Carbon	MG/KG	48000		J		KAHN	11/02/2005

Comments:

Wet Chemistry Analysis

237/3459

Client Sample No.

SED-19

Lab Name: STL Buffalo

Contract: _____

Lab Code: RECNY

Case No.: _____

SAS No.: _____

SDG No.: C059Matrix (soil/water): SOILLab Sample ID: A5C05922% Solids: 47.1Date Samp/Recv: 10/25/2005 10/26/2005

Parameter Name	Units of Measure	Result	C	Q	M	Method Number	Analyzed Date
Leachable pH	S.U.	7.38				9045	10/28/2005

Comments:

Wet Chemistry Analysis

238/3459

Client Sample No.

SED-19

Lab Name: STL Buffalo

Contract: _____

Lab Code: RECNY

Case No.: _____

SAS No.: _____

SDG No.: C059Matrix (soil/water): SOILLab Sample ID: A5C06010% Solids: 0.0Date Samp/Recv: 10/25/2005 10/26/2005

Parameter Name	Units of Measure	Result	C	Q	M	Method Number	Analyzed Date
Total Organic Carbon	MG/KG	74000		J		KAHN	11/02/2005

Comments:

Wet Chemistry Analysis

239/3459

Client Sample No.

SED-19A

Lab Name: STL Buffalo

Contract: _____

Lab Code: RECNY

Case No.: _____

SAS No.: _____

SDG No.: C059Matrix (soil/water): SOILLab Sample ID: A5C05920% Solids: 0.0Date Samp/Recv: 10/25/2005 10/26/2005

Parameter Name	Units of Measure	Result	C	Q	M	Method Number	Analyzed Date
Leachable pH	S.U.	7.37				9045	10/27/2005

Comments:

Wet Chemistry Analysis

240/3459

Client Sample No.

SED-19A

Lab Name: STL Buffalo

Contract: _____

Lab Code: RECNY

Case No.: _____

SAS No.: _____

SDG No.: C059Matrix (soil/water): SOILLab Sample ID: A5C06011% Solids: 0.0Date Samp/Recv: 10/25/2005 10/26/2005

Parameter Name	Units of Measure	Result	C	Q	M	Method Number	Analyzed Date
Total Organic Carbon	MG/KG	52000		J		KAHN	11/02/2005

Comments:

Wet Chemistry Analysis

241/3459

Client Sample No.

TP-21

Lab Name: STL Buffalo

Contract: _____

Lab Code: RECNY

Case No.: _____

SAS No.: _____

SDG No.: C059Matrix (soil/water): SOILLab Sample ID: A5C05901% Solids: 42.8Date Samp/Recv: 10/24/2005 10/26/2005

Parameter Name	Units of Measure	Result	C	Q	M	Method Number	Analyzed Date
Leachable pH	S.U.	7.27				9045	10/27/2005

Comments:

Wet Chemistry Analysis

242/3459

Client Sample No.

TP-23

Lab Name: STL Buffalo

Contract: _____

Lab Code: RECNY

Case No.: _____

SAS No.: _____

SDG No.: C059Matrix (soil/water): SOILLab Sample ID: A5C05902% Solids: 44.7Date Samp/Recv: 10/24/2005 10/26/2005

Parameter Name	Units of Measure	Result	C	Q	M	Method Number	Analyzed Date
Leachable pH _____	S.U.	7.13				9045	10/27/2005

Comments:

Wet Chemistry Analysis

243/3459

Client Sample No.

TP-26

Lab Name: STL Buffalo

Contract: _____

Lab Code: RECONY

Case No.: _____

SAS No.: _____

SDG No.: C059Matrix (soil/water): SOILLab Sample ID: A5C05903% Solids: 46.7Date Samp/Recv: 10/24/2005 10/26/2005

Parameter Name	Units of Measure	Result	C	Q	M	Method Number	Analyzed Date
Leachable pH	S.U.	6.90				9045	10/27/2005

Comments:

Wet Chemistry Analysis

244/3459

Client Sample No.

TP-28

Lab Name: STL Buffalo

Contract: _____

Lab Code: RECNY

Case No.: _____

SAS No.: _____

SDG No.: C059Matrix (soil/water): SOILLab Sample ID: A5C05905% Solids: 0.0Date Samp/Recv: 10/25/2005 10/26/2005

Parameter Name	Units of Measure	Result	C	Q	M	Method Number	Analyzed Date
Leachable pH	S.U.	7.19				9045	10/27/2005

Comments:

Wet Chemistry Analysis

245/3459

Client Sample No.

TP-30

Lab Name: STL Buffalo

Contract: _____

Lab Code: RECNY

Case No.: _____

SAS No.: _____

SDG No.: C059Matrix (soil/water): SOILLab Sample ID: A5C05907% Solids: 0.0Date Samp/Recv: 10/25/2005 10/26/2005

Parameter Name	Units of Measure	Result	C	Q	M	Method Number	Analyzed Date
Leachable pH	S.U.	8.33				9045	10/27/2005

Comments:

Wet Chemistry Analysis

246/3459

Client Sample No.

TP-32

Lab Name: STL Buffalo

Contract: _____

Lab Code: RECNY

Case No.: _____

SAS No.: _____

SDG No.: C059Matrix (soil/water): SOILLab Sample ID: A5C05906% Solids: 0.0Date Samp/Recv: 10/25/2005 10/26/2005

Parameter Name	Units of Measure	Result	C	Q	M	Method Number	Analyzed Date
Leachable pH	S.U.	7.48				9045	10/27/2005

Comments:

Wet Chemistry Analysis

249/3459

Client Sample No.

TP-OW-2

Lab Name: STL Buffalo

Contract: _____

Lab Code: RECNY

Case No.: _____

SAS No.: _____

SDG No.: C059Matrix (soil/water): SOILLab Sample ID: A5C05904% Solids: 0.0Date Samp/Recv: 10/24/2005 10/26/2005

Parameter Name	Units of Measure	Result	C	Q	M	Method Number	Analyzed Date
Leachable pH	S.U.	7.14				9045	10/27/2005

Comments:

The recovery of sample TP-21 Post Spike exhibited results above the quality control limits for Arsenic, Beryllium, Chromium, and Copper and below the quality control limits for Zinc. The recovery of sample SED-19 Post Spike exhibited results below the quality control limits for Iron and Zinc. However, the LCS's are acceptable.

The RPD of sample SED-19 and the Matrix Duplicate exceeded quality control limits for Arsenic, Cadmium, Chromium, Calcium, Iron, Lead, Magnesium, Manganese, Nickel, Mercury and Zinc. However, the LCS was acceptable.

The Serial Dilution of sample TP-21 exceeded quality control limits for Nickel. However, the LCS was acceptable.

Wet Chemistry Data

Total Organic Carbon was subcontracted to STL Chicago. The complete subcontract report is included in this report as Appendix A. Comments pertaining to Total Organic Carbon may be found within the comment summary of the subcontract report.

The results presented in this report relate only to the analytical testing and condition of the sample at receipt. This report pertains to only those samples actually tested. All pages of this report are integral parts of the analytical data. Therefore, this report should be reproduced only in its entirety.

"I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hardcopy data package and in the computer-readable data submitted on floppy diskette has been authorized by the Laboratory Manager or his designee, as verified by the following signature."


Brian J. Fischer
Project Manager

11/25/05

Date

Chain Of Custody Documentation

Chain of Custody Record

SEVERN
TRENT

STL

Severn Trent Laboratories, Inc.

STL-4124 (0901)

Client: **DELTA ENVIRONMENTAL**
 Address: **104 JAMESVILLE RD**
 City: **SYRACUSE** State: **NY** Zip Code: **13214**
 Project Name and Location (State): **COOPER, SYRACUSE, NY**
 Contract/Purchase Order/Quote No.: **0310025P**
 Project Manager: **MARK J SCHUMACHER**
 Telephone Number (Area Code)/Fax Number: **315-445-0224 / 315-445-0793**
 Site Contact: **SAM B** Lab Contact: **BRIAN FISCHER**
 Date: **10-25-05** Chain of Custody Number: **214153**
 Page **2** of **3**

Project Name and Location (State) CORPORA SYRACUSE, NY			Carrier/Waybill Number 31118 BRIAN P15CHUN										Analysis (Attach list if more space is needed)										Special Instructions/ Conditions of Receipt																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																													
Contract/Purchase Order/Quote No. 0310025P			Matrix				Containers & Preservatives						Analysis (Attach list if more space is needed)																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							
Sample I.D. No. and Description (Containers for each sample may be combined on one line)		Date	Time	Air	Aqueous	Sed.	Soil	Unpres.	H2SO4	HNO3	HCl	NaOH	ZnAc2	NaOH	TCL	8260	8270 BN	7 METALS *	PHENOLS	DOC	8082	TAL METALS		8270 PUL																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																												

Possible Hazard Identification

☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☒ Unknown

Sample Disposal

☐ Return To Client ☒ Disposal By Lab ☐ Archive For _____ Months

(A fee may be assessed if samples are retained longer than 1 month)

Turn Around Time Required

☐ 24 Hours ☐ 48 Hours ☐ 7 Days ☐ 14 Days ☒ 21 Days ☐ Other _____

QC Requirements (Specify)

ASD 2000 CAT B DELIVERABLES

1. Relinquished By

R-English Date: **10-25-05** Time: **1705**

1. Received By

R-English, STL Date: **10/25/05** Time: **1705**

2. Relinquished By

R-English Date: **10/25/05** Time: **1800**

2. Received By

WMB Date: **10/25/05** Time: **1800**

3. Relinquished By

3. Received By

WMB Date: **10/25/05** Time: **1800**

Comments

* CADMIUM, CHROMIUM, LEAD, NICKEL, ZINC, MAGNESIUM, COBALT, TOC BY LLOYD KAHN MTH 11/1/05

DISTRIBUTION: WHITE - Returned to Client with Report; CANARY - Stays with the Sample; PINK - Field Copy

326/3459

Abstract

STL

Severn Trent Laboratories, Inc.

STL-4124 (0901)

[illegible]

DISTRIBUTION: WHITE - Returned to Client with Report; CANARY - Stays with the Sample; PINK - Field Copy

327/3459

Chain of Custody Record

SEVERN
TRENT

STL

Severn Trent Laboratories, Inc.

STL-4124 (0901)

Client Delta Environmental		Project Manager Mark Schumacher		Date 10/24/2005	Chain of Custody Number 214144
Address 109 Jammelle Rd		Telephone Number (Area Code)/Fax Number 315-445-0224		Lab Number	Page 1 of 1
City Syracuse	State NY	Zip Code 13214	Site Contact Sane	Lab Contact BRIAN FISCH	

Project Name and Location (State) Copper Creek Hands		Carrier/Waybill Number		Analysis (Attach list if more space is needed)		Special Instructions/ Conditions of Receipt ASP 2000 Category B Deliverables
Contract/Purchase Order/Quote No. 0310025P						

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Air	Aqueous	Sed.	Soil	Unpres.	H2SO4	HNO3	HCl	NaOH	ZnAc/ NaOH	TC2000	TC2000	Metals																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																															
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Possible Hazard Identification	Sample Disposal	QC Requirements (Specify)
<input type="checkbox"/> Non-Hazard <input type="checkbox"/> Flammable <input type="checkbox"/> Skin Irritant <input type="checkbox"/> Poison B <input checked="" type="checkbox"/> Unknown	<input type="checkbox"/> Return To Client <input checked="" type="checkbox"/> Disposal By Lab <input type="checkbox"/> Archive For _____ Months	(A fee may be assessed if samples are retained longer than 1 month)

Turn Around Time Required	QC Requirements (Specify)
<input type="checkbox"/> 24 Hours <input type="checkbox"/> 48 Hours <input type="checkbox"/> 7 Days <input type="checkbox"/> 14 Days <input checked="" type="checkbox"/> 21 Days <input type="checkbox"/> Other _____	ASP 2000 CAT B NOV1604365

1. Relinquished By [Signature]	Date 10-25-05	Time 1705	1. Received By R. English, Sr.	Date 10/25/05	Time 1705
2. Relinquished By R. English	Date 10/25/05	Time 1800	2. Received By [Signature]	Date 10/25/05	Time 1800
3. Relinquished By	Date	Time	3. Received By	Date	Time

Comments
on metals only: arsenic, beryllium, cadmium, chromium, copper, lead, mercury, nickel, zinc

DISTRIBUTION: WHITE - Returned to Client with Report; CANARY - Stays with the Sample; PINK - Field Copy

328/3459

Volatiles



1/1622
STL®

STL Buffalo
10 Hazelwood Drive, Suite 106
Amherst, NY 14228

Tel: 716 691 2600 Fax: 716 691 7991
www.stl-inc.com

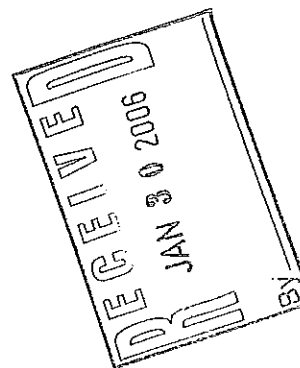
ANALYTICAL REPORT

Job#: A05-C234

STL Project#: NY4A9341

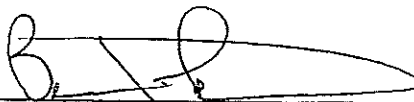
Site Name: Delta Environmental Consultants, Inc.

Task: Cooper site



Mark Schunacher
Delta Environmental
104 Jamesville Rd.
Syracuse, NY 13214

STL Buffalo



Brian J. Fischer
Project Manager

11/18/2005

STL Buffalo

Current Certifications

STATE	Program	Cert # / Lab ID
Arkansas	SDWA, CWA, RCRA, SOIL	03-054-D/BB-0586
California	NELAP SDWA, CWA, RCRA	01169CA
Connecticut	SDWA, CWA, RCRA, SOIL	PH-0558
Florida	NELAP RCRA	EB7672
Georgia	SDWA	956
Illinois	NELAP SDWA, CWA, RCRA	200003
Iowa	SW/CS	374
Kansas	NELAP SDWA, CWA, RCRA	E-10187
Kentucky	SDWA	90029
Kentucky UST	UST	30
Louisiana	NELAP CWA, RCRA	2031
Maine	SDWA, CWA	NY044
Maryland	SDWA	294
Massachusetts	SDWA, CWA	M-NY044
Michigan	SDWA	9937
Minnesota	CWA, RCRA	036-999-337
New Hampshire	NELAP SDWA, CWA	233701
New Jersey	SDWA, CWA, RCRA, CLP	NY455
New York	NELAP, AIR, SDWA, CWA, RCRA	10026
North Carolina	CWA	411
North Dakota	SDWA, CWA, RCRA	R-176
Oklahoma	CWA, RCRA	9421
Pennsylvania	Env. Lab Reg.	68-281
South Carolina	RCRA	91013
USDA	FOREIGN SOIL PERMIT	S-41579
Virginia	SDWA	278
Washington	CWA	C254
West Virginia	CWA	252
Wisconsin	CWA	99B310390

Sample Data Summary Package

SAMPLE SUMMARY

<u>LAB SAMPLE ID</u>	<u>CLIENT SAMPLE ID</u>	<u>MATRIX</u>	<u>SAMPLED</u>		<u>RECEIVED</u>	
			<u>DATE</u>	<u>TIME</u>	<u>DATE</u>	<u>TIME</u>
A5C23403	TP-38	SOIL	10/26/2005	09:50	10/28/2005	10:00
A5C23401	TP-40	SOIL	10/26/2005	09:00	10/28/2005	10:00
A5C23402	TP-42	SOIL	10/26/2005	11:50	10/28/2005	10:00
A5C23407	TP-44	SOIL	10/26/2005	13:30	10/28/2005	10:00
A5C23407MS	TP-44	SOIL	10/26/2005	14:00	10/28/2005	10:00
A5C23407SD	TP-44	SOIL	10/26/2005	13:30	10/28/2005	10:00
A5C23405	TP-45	SOIL	10/26/2005	14:00	10/28/2005	10:00
A5C23406	TP-45-1	SOIL	10/26/2005	14:00	10/28/2005	10:00
A5C23408	TP-48	SOIL	10/26/2005	16:10	10/28/2005	10:00
A5C23409	TP-49	SOIL	10/27/2005	09:00	10/28/2005	10:00
A5C23410	TP-53	SOIL	10/27/2005	11:00	10/28/2005	10:00
A5C23411	TP-55	SOIL	10/27/2005	11:45	10/28/2005	10:00
A5C23412	TP-58	SOIL	10/27/2005	13:10	10/28/2005	10:00

METHODS SUMMARY

Job#: A05-C234STL Project#: NY4A9341Site Name: Delta Environmental Consultants, Inc.

<u>PARAMETER</u>	<u>ANALYTICAL METHOD</u>
DELTA - SOIL ASP 2000/8260 - TCL VOLATILES	ASP00 8260
ASP 2000- METHOD 8270 SEMIVOLATILES	ASP00 8270
Arsenic - Total	ASP00 6010
Beryllium - Total	ASP00 6010
Cadmium - Total	ASP00 6010
Chromium - Total	ASP00 6010
Copper - Total	ASP00 6010
Lead - Total	ASP00 6010
Mercury - Total	ASP00 7471
Nickel - Total	ASP00 6010
Zinc - Total	ASP00 6010
Leachable pH	ASP00 9045

ASP00 "Analytical Services Protocol", New York State Department of Conservation,
June 2000.

NON-CONFORMANCE SUMMARY

Job#: A05-C234STL Project#: NY4A9341Site Name: Delta Environmental Consultants, Inc.General Comments

The enclosed data may or may not have been reported utilizing data qualifiers (Q) as defined on the Data Comment Page.

Soil, sediment and sludge sample results are reported on "dry weight" basis unless otherwise noted in this data package.

According to 40CFR Part 136.3, pH, Chlorine Residual, Dissolved Oxygen, Sulfite, and Temperature analyses are to be performed immediately after aqueous sample collection. When these parameters are not indicated as field (e.g. pH-Field), they were not analyzed immediately, but as soon as possible after laboratory receipt.

Sample dilutions were performed as indicated on the attached Dilution Log. The rationale for dilution is specified by the 3-digit code and definition.

Sample Receipt Comments

A05-C234

Sample Cooler(s) were received at the following temperature(s); 2.0 °C
All samples were received in good condition.

GC/MS Volatile Data

The Relative Percent Difference (RPD) between the Matrix Spike and the Matrix Spike Duplicate of sample TP-44 exceeded quality control limits for the analyte 1,1-Dichloroethene. The Matrix Spike Blank recoveries were compliant, so no corrective action is required.

Sample TP-44 matrix spike and matrix spike duplicate were inadvertently spiked with 25 ug/l instead of the required 50 ug/l.

GC/MS Semivolatile Data

The analyte Bis(2-ethylhexyl)phthalate was detected in the Method Blank SBLK47 (A5B1677202) at a level below the project established reporting limit. No corrective action is necessary for any values in Method Blanks that are below the requested reporting limits.

Metals Data

The recovery of sample TP-44 Matrix Spike and Matrix Spike Duplicate exhibited results above the quality control limits for Cadmium(MS), Chromium(MS), Copper, Lead, Mercury, and Zinc. Sample matrix is suspect. The RPD of sample TP-44 Matrix Spike and Matrix Spike Duplicate exceeded quality control limits for Cadmium, Chromium, Copper, Lead and Zinc. However, the LCS's are acceptable.

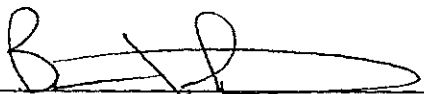
The RPD of sample TP-44 and the Matrix Duplicate exceeded quality control limits for Arsenic. However, the LCS was acceptable.

Wet Chemistry Data

No deviations from protocol were encountered during the analytical procedures.

The results presented in this report relate only to the analytical testing and condition of the sample at receipt. This report pertains to only those samples actually tested. All pages of this report are integral parts of the analytical data. Therefore, this report should be reproduced only in its entirety.

"I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hardcopy data package and in the computer-readable data submitted on floppy diskette has been authorized by the Laboratory Manager or his designee, as verified by the following signature."



Brian J. Fischer
Project Manager

11-21-05

Date

Date: 11/18/2005
Time: 12:01:36

Dilution Log w/Code Information
For Job A05-C234

8/1622
Page: 1
Rept: AN1266R

Client Sample ID	Lab Sample ID	Parameter (Inorganic)/Method (Organic)	Dilution	Code
TP-40	A5C23401	8270	10.00	008
TP-40	A5C23401	Zinc - Total	5.00	008
TP-42	A5C23402	8270	5.00	002
TP-45-1	A5C23406	8270	5.00	002
TP-44	A5C23407MS	8270	5.00	002
TP-44	A5C23407SD	8270	5.00	002
TP-48	A5C23408	8270	5.00	002
TP-49	A5C23409	8270	5.00	002
TP-49	A5C23409	Zinc - Total	5.00	008
TP-53	A5C23410	8270	5.00	002
TP-55	A5C23411	8270	5.00	002
TP-55	A5C23411	Mercury - Total	5.00	
TP-58	A5C23412	8270	5.00	002

Dilution Code Definition:

- 002 - sample matrix effects
- 003 - excessive foaming
- 004 - high levels of non-target compounds
- 005 - sample matrix resulted in method non-compliance for an Internal Standard
- 006 - sample matrix resulted in method non-compliance for Surrogate
- 007 - nature of the TCLP matrix
- 008 - high concentration of target analyte(s)
- 009 - sample turbidity
- 010 - sample color
- 011 - insufficient volume for lower dilution
- 012 - sample viscosity
- 013 - other

NEW YORK STATE
DEPARTMENT OF ENVIRONMENTAL CONSERVATION

SAMPLE IDENTIFICATION
AND
ANALYTICAL REQUEST SUMMARY

LAB NAME: SEVERN TRENT LABORATORIES, INC.

CUSTOMER SAMPLE ID	LABORATORY SAMPLE ID	ANALYTICAL REQUIREMENTS						
		VOA GC/MS	BNA GC/MS	VOA GC	PEST PCB	METALS	TCLP HERB	WATER QUALITY
TP-38	A5C23403	ASP00	ASP00	-	-	ASP00	-	ASP00
TP-40	A5C23401	ASP00	ASP00	-	-	ASP00	-	ASP00
TP-42	A5C23402	ASP00	ASP00	-	-	ASP00	-	ASP00
TP-44	A5C23407	ASP00	ASP00	-	-	ASP00	-	ASP00
TP-45	A5C23405	ASP00	ASP00	-	-	ASP00	-	ASP00
TP-45-1	A5C23406	ASP00	ASP00	-	-	ASP00	-	ASP00
TP-48	A5C23408	ASP00	ASP00	-	-	ASP00	-	ASP00
TP-49	A5C23409	ASP00	ASP00	-	-	ASP00	-	ASP00
TP-53	A5C23410	ASP00	ASP00	-	-	ASP00	-	ASP00
TP-55	A5C23411	ASP00	ASP00	-	-	ASP00	-	ASP00
TP-58	A5C23412	ASP00	ASP00	-	-	ASP00	-	ASP00

NYSDEC-1

NEW YORK STATE
DEPARTMENT OF ENVIRONMENTAL CONSERVATION

SAMPLE PREPARATION AND ANALYSIS SUMMARY
VOLATILE ANALYSIS

LAB NAME: SEVERN TRENT LABORATORIES, INC.

SAMPLE IDENTIFICATION	MATRIX	DATE COLLECTED	DATE RECEIVED AT LAB	DATE EXTRACTED	DATE ANALYZED
TP-38	SOIL	10/26/2005	10/28/2005	-	11/06/2005
TP-40	SOIL	10/26/2005	10/28/2005	-	11/06/2005
TP-42	SOIL	10/26/2005	10/28/2005	-	11/06/2005
TP-44	SOIL	10/26/2005	10/28/2005	-	11/06/2005
TP-45	SOIL	10/26/2005	10/28/2005	-	11/06/2005
TP-45-1	SOIL	10/26/2005	10/28/2005	-	11/06/2005
TP-48	SOIL	10/26/2005	10/28/2005	-	11/06/2005
TP-49	SOIL	10/27/2005	10/28/2005	-	11/07/2005
TP-53	SOIL	10/27/2005	10/28/2005	-	11/06/2005
TP-55	SOIL	10/27/2005	10/28/2005	-	11/06/2005
TP-58	SOIL	10/27/2005	10/28/2005	-	11/06/2005

NYSDEC-2

NEW YORK STATE
DEPARTMENT OF ENVIRONMENTAL CONSERVATION

SAMPLE PREPARATION AND ANALYSIS SUMMARY
B\N-A ANALYSIS

LAB NAME: SEVERN TRENT LABORATORIES, INC.

SAMPLE IDENTIFICATION	MATRIX	DATE COLLECTED	DATE RECEIVED AT LAB	DATE EXTRACTED	DATE ANALYZED
TP-38	SOIL	10/26/2005	10/28/2005	10/30/2005	11/11/2005
TP-40	SOIL	10/26/2005	10/28/2005	10/30/2005	11/09/2005
TP-42	SOIL	10/26/2005	10/28/2005	10/30/2005	11/09/2005
TP-44	SOIL	10/26/2005	10/28/2005	10/30/2005	11/11/2005
TP-45	SOIL	10/26/2005	10/28/2005	10/30/2005	11/11/2005
TP-45-1	SOIL	10/26/2005	10/28/2005	10/30/2005	11/11/2005
TP-48	SOIL	10/26/2005	10/28/2005	10/30/2005	11/11/2005
TP-49	SOIL	10/27/2005	10/28/2005	10/30/2005	11/11/2005
TP-53	SOIL	10/27/2005	10/28/2005	10/30/2005	11/11/2005
TP-55	SOIL	10/27/2005	10/28/2005	10/30/2005	11/11/2005
TP-58	SOIL	10/27/2005	10/28/2005	10/30/2005	11/11/2005

NYSDEC-3

NEW YORK STATE
DEPARTMENT OF ENVIRONMENTAL CONSERVATION

SAMPLE PREPARATION AND ANALYTICAL SUMMARY
INORGANIC ANALYSIS

LAB NAME: SEVERN TRENT LABORATORIES, INC.

SAMPLE IDENTIFICATION	MATRIX	METALS REQUESTED	DATE RECEIVED AT LAB	DATE DIGESTED	DATE ANALYZED
TP-38	SOIL	9 metal	10/28/2005	11/04-11/09/2005	11/04-11/09/2005
TP-40	SOIL	9 metal	10/28/2005	11/04-11/09/2005	11/04-11/09/2005
TP-42	SOIL	9 metal	10/28/2005	11/04-11/09/2005	11/04-11/09/2005
TP-44	SOIL	9 metal	10/28/2005	11/04-11/09/2005	11/04-11/09/2005
TP-45	SOIL	9 metal	10/28/2005	11/04-11/09/2005	11/04-11/09/2005
TP-45-1	SOIL	9 metal	10/28/2005	11/04-11/09/2005	11/04-11/09/2005
TP-48	SOIL	9 metal	10/28/2005	11/04-11/09/2005	11/04-11/09/2005
TP-49	SOIL	9 metal	10/28/2005	11/04-11/09/2005	11/04-11/09/2005
TP-53	SOIL	9 metal	10/28/2005	11/04-11/09/2005	11/04-11/09/2005
TP-55	SOIL	9 metal	10/28/2005	11/04-11/09/2005	11/04-11/09/2005
TP-58	SOIL	9 metal	10/28/2005	11/04-11/09/2005	11/04-11/09/2005

NYSDEC-5

NEW YORK STATE
DEPARTMENT OF ENVIRONMENTAL CONSERVATIONSAMPLE PREPARATION AND ANALYSIS SUMMARY
ORGANIC ANALYSIS

LAB NAME: SEVERN TRENT LABORATORIES, INC.

SAMPLE IDENTIFICATION	MATRIX	ANALYTICAL PROTOCOL	EXTRACTION METHOD	AUXILIARY CLEAN UP	DIL/CONC FACTOR
TP-38	SOIL	ASP00	SONC	AS REQUIRED	AS REQUIRED
TP-40	SOIL	ASP00	SONC	AS REQUIRED	AS REQUIRED
TP-42	SOIL	ASP00	SONC	AS REQUIRED	AS REQUIRED
TP-44	SOIL	ASP00	SONC	AS REQUIRED	AS REQUIRED
TP-45	SOIL	ASP00	SONC	AS REQUIRED	AS REQUIRED
TP-45-1	SOIL	ASP00	SONC	AS REQUIRED	AS REQUIRED
TP-48	SOIL	ASP00	SONC	AS REQUIRED	AS REQUIRED
TP-49	SOIL	ASP00	SONC	AS REQUIRED	AS REQUIRED
TP-53	SOIL	ASP00	SONC	AS REQUIRED	AS REQUIRED
TP-55	SOIL	ASP00	SONC	AS REQUIRED	AS REQUIRED
TP-58	SOIL	ASP00	SONC	AS REQUIRED	AS REQUIRED

NYSDEC-6

NEW YORK STATE
DEPARTMENT OF ENVIRONMENTAL CONSERVATION

SAMPLE PREPARATION AND ANALYSIS SUMMARY
INORGANIC ANALYSIS

LAB NAME: SEVERN TRENT LABORATORIES, INC.

LABORATORY SAMPLE CODE	MATRIX	ANALYTICAL PROTOCOL	DIGESTION PROCEDURE	MATRIX MODIFIER	DIL/CONC FACTOR
TP-38	SOIL	ASP00	ASP00	AS REQUIRED	AS REQUIRED
TP-40	SOIL	ASP00	ASP00	AS REQUIRED	AS REQUIRED
TP-42	SOIL	ASP00	ASP00	AS REQUIRED	AS REQUIRED
TP-44	SOIL	ASP00	ASP00	AS REQUIRED	AS REQUIRED
TP-45	SOIL	ASP00	ASP00	AS REQUIRED	AS REQUIRED
TP-45-1	SOIL	ASP00	ASP00	AS REQUIRED	AS REQUIRED
TP-48	SOIL	ASP00	ASP00	AS REQUIRED	AS REQUIRED
TP-49	SOIL	ASP00	ASP00	AS REQUIRED	AS REQUIRED
TP-53	SOIL	ASP00	ASP00	AS REQUIRED	AS REQUIRED
TP-55	SOIL	ASP00	ASP00	AS REQUIRED	AS REQUIRED
TP-58	SOIL	ASP00	ASP00	AS REQUIRED	AS REQUIRED

Alkane Types	Type 1	Unknown Straight Chain Alkane
	Type 2	Unknown Branched Alkane
	Type 3	Unknown Cyclic Alkane
	Type 4	Unknown Alkane

Alkane Types	Type 1	Unknown Straight Chain Alkane
	Type 2	Unknown Branched Alkane
	Type 3	Unknown Cyclic Alkane
	Type 4	Unknown Alkane

Alkane Types	Type 1	Unknown Straight Chain Alkane
	Type 2	Unknown Branched Alkane
	Type 3	Unknown Cyclic Alkane
	Type 4	Unknown Alkane

Alkane Types	Type 1	Unknown Straight Chain Alkane
	Type 2	Unknown Branched Alkane
	Type 3	Unknown Cyclic Alkane
	Type 4	Unknown Alkane

1000	
1	
0.3393	

Alkane Types	Type 1	Unknown Straight Chain Alkane
	Type 2	Unknown Branched Alkane
	Type 3	Unknown Cyclic Alkane
	Type 4	Unknown Alkane

doc: Alkane-ID-Soil
03/18/05
rev1

Alkane Types	Type 1	Unknown Straight Chain Alkane
	Type 2	Unknown Branched Alkane
	Type 3	Unknown Cyclic Alkane
	Type 4	Unknown Alkane

DELTA - SOIL ASP 2000/8260 - TCL VOLATILES
ANALYSIS DATA SHEET

23/1622

Client No.

TP-38

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) SOIL Lab Sample ID: A5C23403

Sample wt/vol: 5.21 (g/mL) G Lab File ID: Q8736.RR

Level: (low/med) LOW Date Samp/Recv: 10/26/2005 10/28/2005

% Moisture: not dec. 16 Heated Purge: Y Date Analyzed: 11/06/2005

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/KG Q

74-87-3-----	Chloromethane	11	U
74-83-9-----	Bromomethane	11	U
75-01-4-----	Vinyl chloride	11	U
75-00-3-----	Chloroethane	11	U
75-09-2-----	Methylene chloride	11	U
67-64-1-----	Acetone	86	
75-15-0-----	Carbon Disulfide	1	J
75-35-4-----	1,1-Dichloroethene	11	U
75-34-3-----	1,1-Dichloroethane	11	U
67-66-3-----	Chloroform	11	U
107-06-2-----	1,2-Dichloroethane	11	U
78-93-3-----	2-Butanone	11	
71-55-6-----	1,1,1-Trichloroethane	11	U
56-23-5-----	Carbon Tetrachloride	11	U
75-27-4-----	Bromodichloromethane	11	U
78-87-5-----	1,2-Dichloropropane	11	U
10061-01-5----	cis-1,3-Dichloropropene	11	U
79-01-6-----	Trichloroethene	11	U
124-48-1-----	Dibromochloromethane	11	U
79-00-5-----	1,1,2-Trichloroethane	11	U
71-43-2-----	Benzene	11	U
10061-02-6----	trans-1,3-Dichloropropene	11	U
75-25-2-----	Bromoform	11	U
108-10-1-----	4-Methyl-2-pentanone	11	U
591-78-6-----	2-Hexanone	11	U
127-18-4-----	Tetrachloroethene	11	U
108-88-3-----	Toluene	11	U
79-34-5-----	1,1,2,2-Tetrachloroethane	11	U
108-90-7-----	Chlorobenzene	11	U
100-41-4-----	Ethylbenzene	11	U
100-42-5-----	Styrene	11	U
1330-20-7-----	Total Xylenes	11	U
76-13-1-----	1,1,2-Trichloro-1,2,2-trifluoroethane	11	U
156-59-2-----	cis-1,2-Dichloroethene	11	U

DELTA - SOIL ASP 2000/8260 - TCL VOLATILES
ANALYSIS DATA SHEET

24/1622

Client No.

TP-38

Lab Name: STL Buffalo

Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) SOIL

Lab Sample ID: A5C23403

Sample wt/vol: 5.21 (g/mL) G

Lab File ID: Q8736.RR

Level: (low/med) LOW

Date Samp/Recv: 10/26/2005 10/28/2005

% Moisture: not dec. 16 Heated Purge: Y

Date Analyzed: 11/06/2005

GC Column: DB-624 ID: 0.25 (mm)

Dilution Factor: 1.00

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/KG Q

156-60-5	trans-1,2-Dichloroethene	11	U
75-71-8	Dichlorodifluoromethane	1	J
75-69-4	Trichlorofluoromethane	11	U
79-20-9	Methyl acetate	11	U
1634-04-4	Methyl-t-Butyl Ether (MTBE)	11	U
110-82-7	Cyclohexane	11	U
108-87-2	Methylcyclohexane	11	U
106-93-4	1,2-Dibromoethane	11	U
98-82-8	Isopropylbenzene	11	U
541-73-1	1,3-Dichlorobenzene	11	U
106-46-7	1,4-Dichlorobenzene	11	U
95-50-1	1,2-Dichlorobenzene	11	U
96-12-8	1,2-Dibromo-3-chloropropane	11	U
120-82-1	1,2,4-Trichlorobenzene	11	U

TP-38

Lab Name: STL Buffalo Contract: _____

Lab Code: RECN Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) SOIL Lab Sample ID: A5C23403

Sample wt/vol: 5.21 (g/mL) G Lab File ID: Q8736.RR

Level: (low/med) LOW Date Samp/Recv: 10/26/2005 10/28/2005

% Moisture: not dec. 16.5 Date Analyzed: 11/06/2005

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

Number TICs found: 3

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

CAS NO.	Compound Name	RT	Est. Conc.	Q
1. 110-54-3	HEXANE	4.02	12	JN
2.	SATURATED HYDROCARBON	10.07	10	J
3.	DECAHYDRONAPHTHALENE DER.	10.81	10	J

DELTA - SOIL ASP 2000/8260 - TCL VOLATILES
ANALYSIS DATA SHEET

26/1622

Client No.

TP-40

Lab Name: STL Buffalo

Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) SOIL

Lab Sample ID: A5C23401

Sample wt/vol: 5.01 (g/mL) G

Lab File ID: Q8734.RR

Level: (low/med) LOW

Date Samp/Recv: 10/26/2005 10/28/2005

% Moisture: not dec. 21 Heated Purge: Y

Date Analyzed: 11/06/2005

GC Column: DB-624 ID: 0.25 (mm)

Dilution Factor: 1.00

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/KG Q

74-87-3-----	Chloromethane	13	U
74-83-9-----	Bromomethane	13	U
75-01-4-----	Vinyl chloride	13	U
75-00-3-----	Chloroethane	13	U
75-09-2-----	Methylene chloride	13	U
67-64-1-----	Acetone	110	
75-15-0-----	Carbon Disulfide	13	U
75-35-4-----	1,1-Dichloroethene	13	U
75-34-3-----	1,1-Dichloroethane	13	U
67-66-3-----	Chloroform	13	U
107-06-2-----	1,2-Dichloroethane	13	U
78-93-3-----	2-Butanone	32	
71-55-6-----	1,1,1-Trichloroethane	13	U
56-23-5-----	Carbon Tetrachloride	13	U
75-27-4-----	Bromodichloromethane	13	U
78-87-5-----	1,2-Dichloropropane	13	U
10061-01-5----	cis-1,3-Dichloropropene	13	U
79-01-6-----	Trichloroethene	13	U
124-48-1-----	Dibromochloromethane	13	U
79-00-5-----	1,1,2-Trichloroethane	13	U
71-43-2-----	Benzene	13	U
10061-02-6----	trans-1,3-Dichloropropene	13	U
75-25-2-----	Bromoform	13	U
108-10-1-----	4-Methyl-2-pentanone	13	U
591-78-6-----	2-Hexanone	13	U
127-18-4-----	Tetrachloroethene	13	U
108-88-3-----	Toluene	13	U
79-34-5-----	1,1,2,2-Tetrachloroethane	13	U
108-90-7-----	Chlorobenzene	13	U
100-41-4-----	Ethylbenzene	13	U
100-42-5-----	Styrene	13	U
1330-20-7-----	Total Xylenes	13	U
76-13-1-----	1,1,2-Trichloro-1,2,2-trifluoroethane	13	U
156-59-2-----	cis-1,2-Dichloroethene	13	U

DELTA - SOIL ASP 2000/8260 - TCL VOLATILES
ANALYSIS DATA SHEET

27/1622

Client No.

TP-40

Lab Name: STL Buffalo

Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) SOIL

Lab Sample ID: A5C23401

Sample wt/vol: 5.01 (g/mL) G

Lab File ID: Q8734.RR

Level: (low/med) LOW

Date Samp/Recv: 10/26/2005 10/28/2005

% Moisture: not dec. 21 Heated Purge: Y

Date Analyzed: 11/06/2005

GC Column: DB-624 ID: 0.25 (mm)

Dilution Factor: 1.00

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/KG Q

156-60-5-----	trans-1,2-Dichloroethene	13	U
75-71-8-----	Dichlorodifluoromethane	3	J
75-69-4-----	Trichlorofluoromethane	13	U
79-20-9-----	Methyl acetate	13	U
1634-04-4----	Methyl-t-Butyl Ether (MTBE)	13	U
110-82-7-----	Cyclohexane	13	U
108-87-2-----	Methylcyclohexane	13	U
106-93-4-----	1,2-Dibromoethane	13	U
98-82-8-----	Isopropylbenzene	13	U
541-73-1-----	1,3-Dichlorobenzene	13	U
106-46-7-----	1,4-Dichlorobenzene	13	U
95-50-1-----	1,2-Dichlorobenzene	13	U
96-12-8-----	1,2-Dibromo-3-chloropropane	13	U
120-82-1-----	1,2,4-Trichlorobenzene	13	U

DELTA - SOIL ASP 2000/8260 - TCL VOLATILES
TENTATIVELY IDENTIFIED COMPOUNDS

28/1622

Client No.

TP-40

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) SOIL Lab Sample ID: A5C23401

Sample wt/vol: 5.01 (g/mL) G Lab File ID: Q8734.RR

Level: (low/med) LOW Date Samp/Recv: 10/26/2005 10/28/2005

% Moisture: not dec. 20.9 Date Analyzed: 11/06/2005

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

Number TICs found: 1

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

CAS NO.	Compound Name	RT	Est. Conc.	Q
1. 110-54-3	HEXANE	4.02	12	JN

DELTA - SOIL ASP 2000/8260 - TCL VOLATILES
ANALYSIS DATA SHEET

29/1622

Client No.

TP-42

Lab Name: SIL Buffalo Contract: _____

Lab Code: RECONY Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) SOIL Lab Sample ID: A5C23402

Sample wt/vol: 5.01 (g/mL) G Lab File ID: Q8735.RR

Level: (low/med) LOW Date Samp/Recv: 10/26/2005 10/28/2005

% Moisture: not dec. 43 Heated Purge: Y Date Analyzed: 11/06/2005

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/KG Q

74-87-3-----	Chloromethane	17	U
74-83-9-----	Bromomethane	17	U
75-01-4-----	Vinyl chloride	17	U
75-00-3-----	Chloroethane	17	U
75-09-2-----	Methylene chloride	17	U
67-64-1-----	Acetone	580	E J
75-15-0-----	Carbon Disulfide	17	U
75-35-4-----	1,1-Dichloroethene	17	U
75-34-3-----	1,1-Dichloroethane	17	U
67-66-3-----	Chloroform	17	U
107-06-2-----	1,2-Dichloroethane	17	U
78-93-3-----	2-Butanone	190	
71-55-6-----	1,1,1-Trichloroethane	17	U
56-23-5-----	Carbon Tetrachloride	17	U
75-27-4-----	Bromodichloromethane	17	U
78-87-5-----	1,2-Dichloropropane	17	U
10061-01-5----	cis-1,3-Dichloropropene	17	U
79-01-6-----	Trichloroethene	17	U
124-48-1-----	Dibromochloromethane	17	U
79-00-5-----	1,1,2-Trichloroethane	17	U
71-43-2-----	Benzene	17	U
10061-02-6----	trans-1,3-Dichloropropene	17	U
75-25-2-----	Bromoform	17	U
108-10-1-----	4-Methyl-2-pentanone	17	U
591-78-6-----	2-Hexanone	17	U
127-18-4-----	Tetrachloroethene	17	U
108-88-3-----	Toluene	17	U
79-34-5-----	1,1,2,2-Tetrachloroethane	17	U
108-90-7-----	Chlorobenzene	17	U
100-41-4-----	Ethylbenzene	17	U
100-42-5-----	Styrene	17	U
1330-20-7-----	Total Xylenes	17	U
76-13-1-----	1,1,2-Trichloro-1,2,2-trifluoroethane	17	U
156-59-2-----	cis-1,2-Dichloroethene	17	U

DELTA - SOIL ASP 2000/8260 - TCL VOLATILES
TENTATIVELY IDENTIFIED COMPOUNDS

31/1622

Client No.

TP-42

Lab Name: SIL Buffalo Contract: _____

Lab Code: RECONY Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) SOIL Lab Sample ID: A5C23402

Sample wt/vol: 5.01 (g/mL) G Lab File ID: Q8735.RR

Level: (low/med) LOW Date Samp/Recv: 10/26/2005 10/28/2005

% Moisture: not dec. 42.7 Date Analyzed: 11/06/2005

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

Number TICs found: 1

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

CAS NO.	Compound Name	RT	Est. Conc.	Q
1. 110-54-3	HEXANE	4.02	17	JN

DELTA - SOIL ASP 2000/8260 - TCL VOLATILES
ANALYSIS DATA SHEET

30/1622

Client No.

TP-42

Lab Name: STL Buffalo Contract: _____

Lab Code: RECN Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) SOIL

Lab Sample ID: A5C23402

Sample wt/vol: 5.01 (g/mL) G

Lab File ID: Q8735.RR

Level: (low/med) LOW

Date Samp/Recv: 10/26/2005 10/28/2005

% Moisture: not dec. 43 Heated Purge: Y

Date Analyzed: 11/06/2005

GC Column: DB-624 ID: 0.25 (mm)

Dilution Factor: 1.00

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/KG	Q
156-60-5-----	trans-1,2-Dichloroethene	17	U	
75-71-8-----	Dichlorodifluoromethane	4	J	
75-69-4-----	Trichlorofluoromethane	17	U	
79-20-9-----	Methyl acetate	17	U	
1634-04-4-----	Methyl-t-Butyl Ether (MTBE)	17	U	
110-82-7-----	Cyclohexane	17	U	
108-87-2-----	Methylcyclohexane	17	U	
106-93-4-----	1,2-Dibromomethane	17	U	
98-82-8-----	Isopropylbenzene	17	U	
541-73-1-----	1,3-Dichlorobenzene	17	U	
106-46-7-----	1,4-Dichlorobenzene	17	U	
95-50-1-----	1,2-Dichlorobenzene	17	U	
96-12-8-----	1,2-Dibromo-3-chloropropane	17	U	
120-82-1-----	1,2,4-Trichlorobenzene	17	U	

DELTA - SOIL ASP 2000/8260 - TCL VOLATILES
ANALYSIS DATA SHEET

32/1622

Client No.

TP-42 DL

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) SOIL Lab Sample ID: A5C23402DL

Sample wt/vol: 1.03 (g/mL) G Lab File ID: Q8769.RR

Level: (low/med) LOW Date Samp/Recv: 10/26/2005 10/28/2005

% Moisture: not dec. 43 Heated Purge: Y Date Analyzed: 11/07/2005

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS:		Q
		(ug/L or ug/Kg)	UG/KG	
74-87-3	Chloromethane	85		U
74-83-9	Bromomethane	85		U
75-01-4	Vinyl chloride	85		U
75-00-3	Chloroethane	85		U
75-09-2	Methylene chloride	85		U
67-64-1	Acetone	730		D
75-15-0	Carbon Disulfide	85		U
75-35-4	1,1-Dichloroethene	85		U
75-34-3	1,1-Dichloroethane	85		U
67-66-3	Chloroform	85		U
107-06-2	1,2-Dichloroethane	85		U
78-93-3	2-Butanone	76		D
71-55-6	1,1,1-Trichloroethane	85		U
56-23-5	Carbon Tetrachloride	85		U
75-27-4	Bromodichloromethane	85		U
78-87-5	1,2-Dichloropropane	85		U
10061-01-5	cis-1,3-Dichloropropene	85		U
79-01-6	Trichloroethene	85		U
124-48-1	Dibromochloromethane	85		U
79-00-5	1,1,2-Trichloroethane	85		U
71-43-2	Benzene	85		U
10061-02-6	trans-1,3-Dichloropropene	85		U
75-25-2	Bromoform	85		U
108-10-1	4-Methyl-2-pentanone	85		U
591-78-6	2-Hexanone	85		U
127-18-4	Tetrachloroethene	85		U
108-88-3	Toluene	85		U
79-34-5	1,1,2,2-Tetrachloroethane	85		U
108-90-7	Chlorobenzene	85		U
100-41-4	Ethylbenzene	85		U
100-42-5	Styrene	85		U
1330-20-7	Total Xylenes	85		U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	85		U
156-59-2	cis-1,2-Dichloroethene	85		U

DELTA - SOIL ASP 2000/8260 - TCL VOLATILES
ANALYSIS DATA SHEET

33/1622

Client No.

TP-42 DL

Lab Name: STL Buffalo Contract: _____

Lab Code: REQNY Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) SOIL

Lab Sample ID: A5C23402DL

Sample wt/vol: 1.03 (g/mL) G

Lab File ID: Q8769.RR

Level: (low/med) LOW

Date Samp/Recv: 10/26/2005 10/28/2005

% Moisture: not dec. 43 Heated Purge: Y

Date Analyzed: 11/07/2005

GC Column: DB-624 ID: 0.25 (mm)

Dilution Factor: 1.00

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/KG	Q
156-60-5-----	trans-1,2-Dichloroethene	85	U	
75-71-8-----	Dichlorodifluoromethane	85	U	
75-69-4-----	Trichlorofluoromethane	85	U	
79-20-9-----	Methyl acetate	85	U	
1634-04-4-----	Methyl-t-Butyl Ether (MTBE)	85	U	
110-82-7-----	Cyclohexane	85	U	
108-87-2-----	Methylcyclohexane	85	U	
106-93-4-----	1,2-Dibromomethane	85	U	
98-82-8-----	Isopropylbenzene	85	U	
541-73-1-----	1,3-Dichlorobenzene	85	U	
106-46-7-----	1,4-Dichlorobenzene	85	U	
95-50-1-----	1,2-Dichlorobenzene	85	U	
96-12-8-----	1,2-Dibromo-3-chloropropane	85	U	
120-82-1-----	1,2,4-Trichlorobenzene	85	U	

DELTA - SOIL ASP 2000/8260 - TCL VOLATILES
TENTATIVELY IDENTIFIED COMPOUNDS

34/1622

Client No.

Lab Name: STL Buffalo Contract: _____

TP-42 DL

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) SOIL

Lab Sample ID: A5C23402DL

Sample wt/vol: 1.03 (g/mL) G

Lab File ID: Q8769.RR

Level: (low/med) LOW

Date Samp/Recv: 10/26/2005 10/28/2005

% Moisture: not dec. 42.7

Date Analyzed: 11/07/2005

GC Column: DB-624 ID: 0.25 (mm)

Dilution Factor: 1.00

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

Number TICs found: 1

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

CAS NO.	Compound Name	RT	Est. Conc.	Q
1. 110-54-3	HEXANE	4.02	100	JN

DELTA - SOIL ASP 2000/8260 - TCL VOLATILES
ANALYSIS DATA SHEET

35/1622

Client No.

TP-44

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) SOIL Lab Sample ID: A5C23407

Sample wt/vol: 5.09 (g/mL) G Lab File ID: Q8739.RR

Level: (low/med) LOW Date Samp/Recv: 10/26/2005 10/28/2005

% Moisture: not dec. 45 Heated Purge: Y Date Analyzed: 11/06/2005

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/KG Q

74-87-3-----	Chloromethane	18	U
74-83-9-----	Bromomethane	18	U
75-01-4-----	Vinyl chloride	18	U
75-00-3-----	Chloroethane	18	U
75-09-2-----	Methylene chloride	18	U
67-64-1-----	Acetone	150	
75-15-0-----	Carbon Disulfide	18	U
75-35-4-----	1,1-Dichloroethene	18	U
75-34-3-----	1,1-Dichloroethane	18	U
67-66-3-----	Chloroform	18	U
107-06-2-----	1,2-Dichloroethane	18	U
78-93-3-----	2-Butanone	56	
71-55-6-----	1,1,1-Trichloroethane	18	U
56-23-5-----	Carbon Tetrachloride	18	U
75-27-4-----	Bromodichloromethane	18	U
78-87-5-----	1,2-Dichloropropane	18	U
10061-01-5----	cis-1,3-Dichloropropene	18	U
79-01-6-----	Trichloroethene	18	U
124-48-1-----	Dibromochloromethane	18	U
79-00-5-----	1,1,2-Trichloroethane	18	U
71-43-2-----	Benzene	18	U
10061-02-6----	trans-1,3-Dichloropropene	18	U
75-25-2-----	Bromoform	18	U
108-10-1-----	4-Methyl-2-pentanone	18	U
591-78-6-----	2-Hexanone	18	U
127-18-4-----	Tetrachloroethene	18	U
108-88-3-----	Toluene	18	U
79-34-5-----	1,1,2,2-Tetrachloroethane	18	U
108-90-7-----	Chlorobenzene	18	U
100-41-4-----	Ethylbenzene	18	U
100-42-5-----	Styrene	18	U
1330-20-7-----	Total Xylenes	18	U
76-13-1-----	1,1,2-Trichloro-1,2,2-trifluoroethane	18	U
156-59-2-----	cis-1,2-Dichloroethene	18	U

DELTA - SOIL ASP 2000/8260 - TCL VOLATILES
ANALYSIS DATA SHEET

36/1622

Client No.

TP-44

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) SOIL Lab Sample ID: A5C23407

Sample wt/vol: 5.09 (g/mL) G Lab File ID: Q8739.RR

Level: (low/med) LOW Date Samp/Recv: 10/26/2005 10/28/2005

% Moisture: not dec. 45 Heated Purge: Y Date Analyzed: 11/06/2005

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/KG Q

156-60-5-----	trans-1,2-Dichloroethene	18	U
75-71-8-----	Dichlorodifluoromethane	18	U
75-69-4-----	Trichlorofluoromethane	18	U
79-20-9-----	Methyl acetate	18	U
1634-04-4----	Methyl-t-Butyl Ether (MTBE)	18	U
110-82-7-----	Cyclohexane	18	U
108-87-2-----	Methylcyclohexane	18	U
106-93-4-----	1,2-Dibromoethane	18	U
98-82-8-----	Isopropylbenzene	18	U
541-73-1-----	1,3-Dichlorobenzene	18	U
106-46-7-----	1,4-Dichlorobenzene	18	U
95-50-1-----	1,2-Dichlorobenzene	18	U
96-12-8-----	1,2-Dibromo-3-chloropropane	18	U
120-82-1-----	1,2,4-Trichlorobenzene	18	U

DELTA - SOIL ASP 2000/8260 - TCL VOLATILES
TENTATIVELY IDENTIFIED COMPOUNDS

37/1622

Client No.

TP-44

Lab Name: STL Buffalo

Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) SOIL

Lab Sample ID: A5C23407

Sample wt/vol: 5.09 (g/mL) G

Lab File ID: Q8739.RR

Level: (low/med) LOW

Date Samp/Recv: 10/26/2005 10/28/2005

% Moisture: not dec. 44.5

Date Analyzed: 11/06/2005

GC Column: DB-624 ID: 0.25 (mm)

Dilution Factor: 1.00

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

Number TICs found: 2

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

CAS NO.	Compound Name	RT	Est. Conc.	Q
1.	UNKNOWN	1.57	10	J
2. 110-54-3	HEXANE	4.03	16	JN

DELTA - SOIL ASP 2000/8260 - TCL VOLATILES
ANALYSIS DATA SHEET

38/1622

Client No.

TP-45

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) SOIL Lab Sample ID: A5C23405

Sample wt/vol: 5.03 (g/mL) G Lab File ID: Q8737.RR

Level: (low/med) LOW Date Samp/Recv: 10/26/2005 10/28/2005

% Moisture: not dec. 46 Heated Purge: Y Date Analyzed: 11/06/2005

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/KG	Q
74-87-3	-----Chloromethane	18		U
74-83-9	-----Bromomethane	18		U
75-01-4	-----Vinyl chloride	18		U
75-00-3	-----Chloroethane	18		U
75-09-2	-----Methylene chloride	18		U
67-64-1	-----Acetone	120		
75-15-0	-----Carbon Disulfide	18		U
75-35-4	-----1,1-Dichloroethane	18		U
75-34-3	-----1,1-Dichloroethane	18		U
67-66-3	-----Chloroform	18		U
107-06-2	-----1,2-Dichloroethane	18		U
78-93-3	-----2-Butanone	37		
71-55-6	-----1,1,1-Trichloroethane	18		U
56-23-5	-----Carbon Tetrachloride	18		U
75-27-4	-----Bromodichloromethane	18		U
78-87-5	-----1,2-Dichloropropane	18		U
10061-01-5	-----cis-1,3-Dichloropropene	18		U
79-01-6	-----Trichloroethene	18		U
124-48-1	-----Dibromochloromethane	18		U
79-00-5	-----1,1,2-Trichloroethane	18		U
71-43-2	-----Benzene	18		U
10061-02-6	-----trans-1,3-Dichloropropene	18		U
75-25-2	-----Bromofom	18		U
108-10-1	-----4-Methyl-2-pentanone	18		U
591-78-6	-----2-Hexanone	18		U
127-18-4	-----Tetrachloroethene	18		U
108-88-3	-----Toluene	18		U
79-34-5	-----1,1,2,2-Tetrachloroethane	18		U
108-90-7	-----Chlorobenzene	18		U
100-41-4	-----Ethylbenzene	18		U
100-42-5	-----Styrene	18		U
1330-20-7	-----Total Xylenes	18		U
76-13-1	-----1,1,2-Trichloro-1,2,2-trifluoroethane	18		U
156-59-2	-----cis-1,2-Dichloroethene	18		U

DELTA - SOIL ASP 2000/8260 - TCL VOLATILES
ANALYSIS DATA SHEET

39/1622

Client No.

TP-45

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) SOIL Lab Sample ID: A5C23405

Sample wt/vol: 5.03 (g/mL) G Lab File ID: Q8737.RR

Level: (low/med) LOW Date Samp/Recv: 10/26/2005 10/28/2005

% Moisture: not dec. 46 Heated Purge: Y Date Analyzed: 11/06/2005

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/KG	Q
156-60-5	trans-1,2-Dichloroethene	18	U	
75-71-8	Dichlorodifluoromethane	5	J	
75-69-4	Trichlorofluoromethane	18	U	
79-20-9	Methyl acetate	18	U	
1634-04-4	Methyl-t-Butyl Ether (MTBE)	18	U	
110-82-7	Cyclohexane	18	U	
108-87-2	Methylcyclohexane	18	U	
106-93-4	1,2-Dibromoethane	18	U	
98-82-8	Isopropylbenzene	18	U	
541-73-1	1,3-Dichlorobenzene	18	U	
106-46-7	1,4-Dichlorobenzene	18	U	
95-50-1	1,2-Dichlorobenzene	18	U	
96-12-8	1,2-Dibromo-3-chloropropane	18	U	
120-82-1	1,2,4-Trichlorobenzene	18	U	

DELTA - SOIL ASP 2000/8260 - TCL VOLATILES
ANALYSIS DATA SHEET

41/1622

Client No.

TP-45-1

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) SOIL Lab Sample ID: A5C23406

Sample wt/vol: 5.03 (g/mL) G Lab File ID: Q8738.RR

Level: (low/med) LOW Date Samp/Recv: 10/26/2005 10/28/2005

% Moisture: not dec. 24 Heated Purge: Y Date Analyzed: 11/06/2005

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

		CONCENTRATION UNITS:		
CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/KG	Q
74-87-3	Chloromethane	13		U
74-83-9	Bromomethane	13		U
75-01-4	Vinyl chloride	13		U
75-00-3	Chloroethane	13		U
75-09-2	Methylene chloride	13		U
67-64-1	Acetone	72		
75-15-0	Carbon Disulfide	13		U
75-35-4	1,1-Dichloroethene	13		U
75-34-3	1,1-Dichloroethane	13		U
67-66-3	Chloroform	13		U
107-06-2	1,2-Dichloroethane	13		U
78-93-3	2-Butanone	24		
71-55-6	1,1,1-Trichloroethane	13		U
56-23-5	Carbon Tetrachloride	13		U
75-27-4	Bromodichloromethane	13		U
78-87-5	1,2-Dichloropropane	13		U
10061-01-5	cis-1,3-Dichloropropene	13		U
79-01-6	Trichloroethene	13		U
124-48-1	Dibromochloromethane	13		U
79-00-5	1,1,2-Trichloroethane	13		U
71-43-2	Benzene	13		U
10061-02-6	trans-1,3-Dichloropropene	13		U
75-25-2	Bromoform	13		U
108-10-1	4-Methyl-2-pentanone	13		U
591-78-6	2-Hexanone	13		U
127-18-4	Tetrachloroethene	13		U
108-88-3	Toluene	13		U
79-34-5	1,1,2,2-Tetrachloroethane	13		U
108-90-7	Chlorobenzene	13		U
100-41-4	Ethylbenzene	13		U
100-42-5	Styrene	13		U
1330-20-7	Total Xylenes	13		U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	13		U
156-59-2	cis-1,2-Dichloroethene	13		U

DELTA - SOIL ASP 2000/8260 - TCL VOLATILES
TENTATIVELY IDENTIFIED COMPOUNDS

40/1622

Client No.

TP-45

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) SOIL Lab Sample ID: A5C23405

Sample wt/vol: 5.03 (g/mL) G Lab File ID: Q8737.RR

Level: (low/med) LOW Date Samp/Recv: 10/26/2005 10/28/2005

% Moisture: not dec. 45.5 Date Analyzed: 11/06/2005

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

Number TICs found: 1

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

CAS NO.	Compound Name	RT	Est. Conc.	Q
1. 110-54-3	HEXANE	4.02	20	JN

DELTA - SOIL ASP 2000/8260 - TCL VOLATILES
ANALYSIS DATA SHEET

42/1622

Client No.

TP-45-1

Lab Name: STL Buffalo

Contract: _____

Lab Code: RECNY

Case No.: _____

SAS No.: _____

SDG No.: _____

Matrix: (soil/water) SOIL

Lab Sample ID: A5C23406

Sample wt/vol: 5.03 (g/mL) G

Lab File ID: Q8738.RR

Level: (low/med) LOW

Date Samp/Recv: 10/26/2005 10/28/2005

% Moisture: not dec. 24 Heated Purge: Y

Date Analyzed: 11/06/2005

GC Column: DB-624 ID: 0.25 (mm)

Dilution Factor: 1.00

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

(ug/L or ug/Kg)

UG/KG

Q

CAS NO.	COMPOUND		
156-60-5-----	trans-1,2-Dichloroethene	13	U
75-71-8-----	Dichlorodifluoromethane	13	U
75-69-4-----	Trichlorofluoromethane	13	U
79-20-9-----	Methyl acetate	13	U
1634-04-4----	Methyl-t-Butyl Ether (MTBE)	13	U
110-82-7-----	Cyclohexane	13	U
108-87-2-----	Methylcyclohexane	13	U
106-93-4-----	1,2-Dibromoethane	13	U
98-82-8-----	Isopropylbenzene	13	U
541-73-1-----	1,3-Dichlorobenzene	13	U
106-46-7-----	1,4-Dichlorobenzene	13	U
95-50-1-----	1,2-Dichlorobenzene	13	U
96-12-8-----	1,2-Dibromo-3-chloropropane	13	U
120-82-1-----	1,2,4-Trichlorobenzene	13	U

DELTA - SOIL ASP 2000/8260 - TCL VOLATILES
TENTATIVELY IDENTIFIED COMPOUNDS

43/1622

Client No.

TP-45-1

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) SOIL

Lab Sample ID: A5C23406

Sample wt/vol: 5.03 (g/mL) G

Lab File ID: Q8738.RR

Level: (low/med) LOW

Date Samp/Recv: 10/26/2005 10/28/2005

% Moisture: not dec. 23.8

Date Analyzed: 11/06/2005

GC Column: DB-624 ID: 0.25 (mm)

Dilution Factor: 1.00

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

Number TICs found: 2

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

CAS NO.	Compound Name	RT	Est. Conc.	Q
1.	UNKNOWN	1.56	7	J
2. 110-54-3	HEXANE	4.03	12	JN

DELTA - SOIL ASP 2000/8260 - TCL VOLATILES
ANALYSIS DATA SHEET

44/1622

Client No.

TP-48

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) SOIL Lab Sample ID: A5C23408

Sample wt/vol: 5.07 (g/mL) G Lab File ID: Q8740.RR

Level: (low/med) LOW Date Samp/Recv: 10/26/2005 10/28/2005

% Moisture: not dec. 9 Heated Purge: Y Date Analyzed: 11/06/2005

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/KG	Q
74-87-3-----	Chloromethane	11		U
74-83-9-----	Bromomethane	11		U
75-01-4-----	Vinyl chloride	11		U
75-00-3-----	Chloroethane	11		U
75-09-2-----	Methylene chloride	11		U
67-64-1-----	Acetone	340		E J
75-15-0-----	Carbon Disulfide	11		U
75-35-4-----	1,1-Dichloroethene	11		U
75-34-3-----	1,1-Dichloroethane	11		U
67-66-3-----	Chloroform	11		U
107-06-2-----	1,2-Dichloroethane	11		U
78-93-3-----	2-Butanone	57		
71-55-6-----	1,1,1-Trichloroethane	11		U
56-23-5-----	Carbon Tetrachloride	11		U
75-27-4-----	Bromodichloromethane	11		U
78-87-5-----	1,2-Dichloropropane	11		U
10061-01-5----	cis-1,3-Dichloropropene	11		U
79-01-6-----	Trichloroethene	11		U
124-48-1-----	Dibromochloromethane	11		U
79-00-5-----	1,1,2-Trichloroethane	11		U
71-43-2-----	Benzene	11		U
10061-02-6----	trans-1,3-Dichloropropene	11		U
75-25-2-----	Bromoform	11		U
108-10-1-----	4-Methyl-2-pentanone	11		U
591-78-6-----	2-Hexanone	11		U
127-18-4-----	Tetrachloroethene	11		U
108-88-3-----	Toluene	11		U
79-34-5-----	1,1,2,2-Tetrachloroethane	11		U
108-90-7-----	Chlorobenzene	11		U
100-41-4-----	Ethylbenzene	11		U
100-42-5-----	Styrene	11		U
1330-20-7-----	Total Xylenes	11		U
76-13-1-----	1,1,2-Trichloro-1,2,2-trifluoroethane	11		U
156-59-2-----	cis-1,2-Dichloroethene	11		U

DELTA - SOIL ASP 2000/8260 - TCL VOLATILES
ANALYSIS DATA SHEET

45/1622

Client No.

TP-48

Lab Name: STL Buffalo

Contract: _____

Lab Code: RECNV Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) SOIL

Lab Sample ID: A5C23408

Sample wt/vol: 5.07 (g/mL) G

Lab File ID: Q8740.RR

Level: (low/med) LOW

Date Samp/Recv: 10/26/2005 10/28/2005

% Moisture: not dec. 9 Heated Purge: Y

Date Analyzed: 11/06/2005

GC Column: DB-624 ID: 0.25 (mm)

Dilution Factor: 1.00

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/KG Q

156-60-5-----	trans-1,2-Dichloroethene	11	U
75-71-8-----	Dichlorodifluoromethane	11	U
75-69-4-----	Trichlorofluoromethane	11	U
79-20-9-----	Methyl acetate	11	U
1634-04-4-----	Methyl-t-Butyl Ether (MTBE)	11	U
110-82-7-----	Cyclohexane	11	U
108-87-2-----	Methylcyclohexane	11	U
106-93-4-----	1,2-Dibromomethane	11	U
98-82-8-----	Isopropylbenzene	11	U
541-73-1-----	1,3-Dichlorobenzene	11	U
106-46-7-----	1,4-Dichlorobenzene	11	U
95-50-1-----	1,2-Dichlorobenzene	11	U
96-12-8-----	1,2-Dibromo-3-chloropropane	11	U
120-82-1-----	1,2,4-Trichlorobenzene	11	U

DELTA - SOIL ASP 2000/8260 - TCL VOLATILES
TENTATIVELY IDENTIFIED COMPOUNDS

46/1622

Client No.

TP-48

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) SOIL Lab Sample ID: A5C23408

Sample wt/vol: 5.07 (g/mL) G Lab File ID: Q8740.RR

Level: (low/med) LOW Date Samp/Recv: 10/26/2005 10/28/2005

% Moisture: not dec. 9.3 Date Analyzed: 11/06/2005

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

Number TICs found: 1

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

CAS NO.	Compound Name	RT	Est. Conc.	Q
1. 110-54-3	HEXANE	4.02	9	JN

DELTA - SOIL ASP 2000/8260 - TCL VOLATILES
ANALYSIS DATA SHEET

47/1622

Client No.

TP-48 DL

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) SOIL Lab Sample ID: A5C23408DL

Sample wt/vol: 1.00 (g/mL) G Lab File ID: Q8768.RR

Level: (low/med) LOW Date Samp/Recv: 10/26/2005 10/28/2005

% Moisture: not dec. 9 Heated Purge: Y Date Analyzed: 11/07/2005

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/KG Q

74-87-3-----	Chloromethane	55	U
74-83-9-----	Bromomethane	55	U
75-01-4-----	Vinyl chloride	55	U
75-00-3-----	Chloroethane	55	U
75-09-2-----	Methylene chloride	55	U
67-64-1-----	Acetone	350	D
75-15-0-----	Carbon Disulfide	55	U
75-35-4-----	1,1-Dichloroethene	55	U
75-34-3-----	1,1-Dichloroethane	55	U
67-66-3-----	Chloroform	55	U
107-06-2-----	1,2-Dichloroethane	55	U
78-93-3-----	2-Butanone	55	U
71-55-6-----	1,1,1-Trichloroethane	55	U
56-23-5-----	Carbon Tetrachloride	55	U
75-27-4-----	Bromodichloromethane	55	U
78-87-5-----	1,2-Dichloropropane	55	U
10061-01-5----	cis-1,3-Dichloropropene	55	U
79-01-6-----	Trichloroethene	55	U
124-48-1-----	Dibromochloromethane	55	U
79-00-5-----	1,1,2-Trichloroethane	55	U
71-43-2-----	Benzene	55	U
10061-02-6----	trans-1,3-Dichloropropene	55	U
75-25-2-----	Bromoform	55	U
108-10-1-----	4-Methyl-2-pentanone	55	U
591-78-6-----	2-Hexanone	55	U
127-18-4-----	Tetrachloroethene	55	U
108-88-3-----	Toluene	55	U
79-34-5-----	1,1,2,2-Tetrachloroethane	55	U
108-90-7-----	Chlorobenzene	55	U
100-41-4-----	Ethylbenzene	55	U
100-42-5-----	Styrene	55	U
1330-20-7-----	Total Xylenes	55	U
76-13-1-----	1,1,2-Trichloro-1,2,2-trifluoroethane	55	U
156-59-2-----	cis-1,2-Dichloroethene	55	U

DELTA - SOIL ASP 2000/8260 - TCL VOLATILES
ANALYSIS DATA SHEET

48/1622

Client No.

TP-48 DL

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) SOIL

Lab Sample ID: A5C23408DL

Sample wt/vol: 1.00 (g/mL) G

Lab File ID: Q8768.RR

Level: (low/med) LOW

Date Samp/Recv: 10/26/2005 10/28/2005

% Moisture: not dec. 9 Heated Purge: Y

Date Analyzed: 11/07/2005

GC Column: DB-624 ID: 0.25 (mm)

Dilution Factor: 1.00

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/KG Q.

156-60-5-----	trans-1,2-Dichloroethene	55	U
75-71-8-----	Dichlorodifluoromethane	55	U
75-69-4-----	Trichlorofluoromethane	55	U
79-20-9-----	Methyl acetate	55	U
1634-04-4----	Methyl-t-Butyl Ether (MIBE)	55	U
110-82-7-----	Cyclohexane	55	U
108-87-2-----	Methylcyclohexane	55	U
106-93-4-----	1,2-Dibromoethane	55	U
98-82-8-----	Isopropylbenzene	55	U
541-73-1-----	1,3-Dichlorobenzene	55	U
106-46-7-----	1,4-Dichlorobenzene	55	U
95-50-1-----	1,2-Dichlorobenzene	55	U
96-12-8-----	1,2-Dibromo-3-chloropropane	55	U
120-82-1-----	1,2,4-Trichlorobenzene	55	U

DELTA - SOIL ASP 2000/8260 - TCL VOLATILES
TENTATIVELY IDENTIFIED COMPOUNDS

49/1622

Client No.

TP-48 DL

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) SOIL

Lab Sample ID: A5C23408DL

Sample wt/vol: 1.00 (g/mL) G

Lab File ID: Q8768.RR

Level: (low/med) LOW

Date Samp/Recv: 10/26/2005 10/28/2005

% Moisture: not dec. 9.3

Date Analyzed: 11/07/2005

GC Column: DB-624 ID: 0.25 (mm)

Dilution Factor: 1.00

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

Number TICs found: 1

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

CAS NO.	Compound Name	RT	Est. Conc.	Q
1. 110-54-3	HEXANE	4.02	65	JN

DELTA - SOIL ASP 2000/8260 - TCL VOLATILES
ANALYSIS DATA SHEET

50/1622

Client No.

TP-49

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) SOIL Lab Sample ID: A5C23409

Sample wt/vol: 5.14 (g/mL) G Lab File ID: Q8778.RR

Level: (low/med) LOW Date Samp/Recv: 10/27/2005 10/28/2005

% Moisture: not dec. 29 Heated Purge: Y Date Analyzed: 11/07/2005

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/KG	Q
74-87-3	Chloromethane	14		U
74-83-9	Bromomethane	14		U
75-01-4	Vinyl chloride	14		U
75-00-3	Chloroethane	14		U
75-09-2	Methylene chloride	14		U
67-64-1	Acetone	210		
75-15-0	Carbon Disulfide	14		U
75-35-4	1,1-Dichloroethene	14		U
75-34-3	1,1-Dichloroethane	14		U
67-66-3	Chloroform	14		U
107-06-2	1,2-Dichloroethane	14		U
78-93-3	2-Butanone	75		U
71-55-6	1,1,1-Trichloroethane	14		U
56-23-5	Carbon Tetrachloride	14		U
75-27-4	Bromodichloromethane	14		U
78-87-5	1,2-Dichloropropane	14		U
10061-01-5	cis-1,3-Dichloropropene	14		U
79-01-6	Trichloroethene	14		U
124-48-1	Dibromochloromethane	14		U
79-00-5	1,1,2-Trichloroethane	14		U
71-43-2	Benzene	14		U
10061-02-6	trans-1,3-Dichloropropene	14		U
75-25-2	Bromoform	14		U
108-10-1	4-Methyl-2-pentanone	14		U
591-78-6	2-Hexanone	14		U
127-18-4	Tetrachloroethene	14		U
108-88-3	Toluene	14		U
79-34-5	1,1,2,2-Tetrachloroethane	14		U
108-90-7	Chlorobenzene	14		U
100-41-4	Ethylbenzene	14		U
100-42-5	Styrene	14		U
1330-20-7	Total Xylenes	14		U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	14		U
156-59-2	cis-1,2-Dichloroethene	14		U

DELTA - SOIL ASP 2000/8260 - TCL VOLATILES
ANALYSIS DATA SHEET

51/1622

Client No.

TP-49

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) SOIL Lab Sample ID: A5C23409

Sample wt/vol: 5.14 (g/mL) G Lab File ID: Q8778.RR

Level: (low/med) LOW Date Samp/Recv: 10/27/2005 10/28/2005

% Moisture: not dec. 29 Heated Purge: Y Date Analyzed: 11/07/2005

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/KG Q

156-60-5	trans-1,2-Dichloroethene	14	U
75-71-8	Dichlorodifluoromethane	14	U
75-69-4	Trichlorofluoromethane	14	U
79-20-9	Methyl acetate	14	U
1634-04-4	Methyl-t-Butyl Ether (MTBE)	14	U
110-82-7	Cyclohexane	14	U
108-87-2	Methylcyclohexane	14	U
106-93-4	1,2-Dibromoethane	14	U
98-82-8	Isopropylbenzene	14	U
541-73-1	1,3-Dichlorobenzene	14	U
106-46-7	1,4-Dichlorobenzene	14	U
95-50-1	1,2-Dichlorobenzene	14	U
96-12-8	1,2-Dibromo-3-chloropropane	14	U
120-82-1	1,2,4-Trichlorobenzene	14	U

TP-49

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) SOIL Lab Sample ID: A5C23409

Sample wt/vol: 5.14 (g/mL) G Lab File ID: Q8778.RR

Level: (low/med) LOW Date Samp/Recv: 10/27/2005 10/28/2005

% Moisture: not dec. 28.8 Date Analyzed: 11/07/2005

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

Number TICs found: 10 CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

CAS NO.	Compound Name	RT	Est. Conc.	Q
1. 110-54-3	HEXANE	4.02	16	JN
2.	SATURATED HYDROCARBON	10.83	27	J
3.	UNKNOWN	11.00	9	J
4.	UNKNOWN	11.32	26	J
5.	SATURATED HYDROCARBON	11.68	24	J
6.	SATURATED HYDROCARBON	11.79	32	J
7.	UNKNOWN	12.15	27	J
8.	SATURATED HYDROCARBON	12.22	18	J
9.	SATURATED HYDROCARBON	12.41	11	J
10.	UNKNOWN	12.55	14	J

DELTA - SOIL ASP 2000/8260 - TCL VOLATILES
ANALYSIS DATA SHEET

53/1622

Client No.

TP-53

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) SOIL Lab Sample ID: A5C23410

Sample wt/vol: 5.01 (g/mL) G Lab File ID: Q8742.RR

Level: (low/med) LOW Date Samp/Recv: 10/27/2005 10/28/2005

% Moisture: not dec. 27 Heated Purge: Y Date Analyzed: 11/06/2005

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/KG Q

74-87-3-----	Chloromethane	14	U
74-83-9-----	Bromomethane	14	U
75-01-4-----	Vinyl chloride	14	U
75-00-3-----	Chloroethane	14	U
75-09-2-----	Methylene chloride	14	U
67-64-1-----	Acetone	75	
75-15-0-----	Carbon Disulfide	14	U
75-35-4-----	1,1-Dichloroethene	14	U
75-34-3-----	1,1-Dichloroethane	14	U
67-66-3-----	Chloroform	14	U
107-06-2-----	1,2-Dichloroethane	14	U
78-93-3-----	2-Butanone	27	
71-55-6-----	1,1,1-Trichloroethane	14	U
56-23-5-----	Carbon Tetrachloride	14	U
75-27-4-----	Bromodichloromethane	14	U
78-87-5-----	1,2-Dichloropropane	14	U
10061-01-5----	cis-1,3-Dichloropropene	14	U
79-01-6-----	Trichloroethene	14	U
124-48-1-----	Dibromochloromethane	14	U
79-00-5-----	1,1,2-Trichloroethane	14	U
71-43-2-----	Benzene	14	U
10061-02-6----	trans-1,3-Dichloropropene	14	U
75-25-2-----	Bromoform	14	U
108-10-1-----	4-Methyl-2-pentanone	14	U
591-78-6-----	2-Hexanone	14	U
127-18-4-----	Tetrachloroethene	14	U
108-88-3-----	Toluene	14	U
79-34-5-----	1,1,2,2-Tetrachloroethane	14	U
108-90-7-----	Chlorobenzene	14	U
100-41-4-----	Ethylbenzene	14	U
100-42-5-----	Styrene	14	U
1330-20-7-----	Total Xylenes	14	U
76-13-1-----	1,1,2-Trichloro-1,2,2-trifluoroethane	14	U
156-59-2-----	cis-1,2-Dichloroethene	14	U

DELTA - SOIL ASP 2000/8260 - TCL VOLATILES
ANALYSIS DATA SHEET

54/1622

Client No.

TP-53

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) SOIL Lab Sample ID: A5C23410

Sample wt/vol: 5.01 (g/mL) G Lab File ID: Q8742.RR

Level: (low/med) LOW Date Samp/Recv: 10/27/2005 10/28/2005

% Moisture: not dec. 27 Heated Purge: Y Date Analyzed: 11/06/2005

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/KG Q

156-60-5-----	trans-1,2-Dichloroethene	14	U
75-71-8-----	Dichlorodifluoromethane	14	U
75-69-4-----	Trichlorofluoromethane	14	U
79-20-9-----	Methyl acetate	14	U
1634-04-4----	Methyl-t-Butyl Ether (MTBE)	14	U
110-82-7-----	Cyclohexane	14	U
108-87-2-----	Methylcyclohexane	14	U
106-93-4-----	1,2-Dibromoethane	14	U
98-82-8-----	Isopropylbenzene	14	U
541-73-1-----	1,3-Dichlorobenzene	14	U
106-46-7-----	1,4-Dichlorobenzene	14	U
95-50-1-----	1,2-Dichlorobenzene	14	U
96-12-8-----	1,2-Dibromo-3-chloropropane	14	U
120-82-1-----	1,2,4-Trichlorobenzene	14	U

DELTA - SOIL ASP 2000/8260 - TCL VOLATILES
TENTATIVELY IDENTIFIED COMPOUNDS

55/1622

Client No.

TP-53

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) SOIL Lab Sample ID: A5C23410

Sample wt/vol: 5.01 (g/mL) G Lab File ID: Q8742.RR

Level: (low/med) LOW Date Samp/Recv: 10/27/2005 10/28/2005

% Moisture: not dec. 27.4 Date Analyzed: 11/06/2005

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

Number TICs found: 3 CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

CAS NO.	Compound Name	RT	Est. Conc.	Q
1.	UNKNOWN	1.56	15	J
2.	UNKNOWN	1.87	8	J
3. 110-54-3	HEXANE	4.02	12	JN

DELTA - SOIL ASP 2000/8260 - TCL VOLATILES
ANALYSIS DATA SHEET

56/1622

Client No.

TP-55

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) SOIL Lab Sample ID: A5C23411

Sample wt/vol: 5.04 (g/mL) G Lab File ID: Q8743.RR

Level: (low/med) LOW Date Samp/Recv: 10/27/2005 10/28/2005

% Moisture: not dec. 43 Heated Purge: Y Date Analyzed: 11/06/2005

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/KG Q

74-87-3-----	Chloromethane	17	U
74-83-9-----	Bromomethane	17	U
75-01-4-----	Vinyl chloride	17	U
75-00-3-----	Chloroethane	17	U
75-09-2-----	Methylene chloride	17	U
67-64-1-----	Acetone	240	
75-15-0-----	Carbon Disulfide	17	U
75-35-4-----	1,1-Dichloroethene	17	U
75-34-3-----	1,1-Dichloroethane	17	U
67-66-3-----	Chloroform	17	U
107-06-2-----	1,2-Dichloroethane	17	U
78-93-3-----	2-Butanone	66	
71-55-6-----	1,1,1-Trichloroethane	17	U
56-23-5-----	Carbon Tetrachloride	17	U
75-27-4-----	Bromodichloromethane	17	U
78-87-5-----	1,2-Dichloropropane	17	U
10061-01-5----	cis-1,3-Dichloropropene	17	U
79-01-6-----	Trichloroethene	17	U
124-48-1-----	Dibromochloromethane	17	U
79-00-5-----	1,1,2-Trichloroethane	17	U
71-43-2-----	Benzene	17	U
10061-02-6----	trans-1,3-Dichloropropene	17	U
75-25-2-----	Bromoform	17	U
108-10-1-----	4-Methyl-2-pentanone	17	U
591-78-6-----	2-Hexanone	17	U
127-18-4-----	Tetrachloroethene	17	U
108-88-3-----	Toluene	17	U
79-34-5-----	1,1,2,2-Tetrachloroethane	17	U
108-90-7-----	Chlorobenzene	17	U
100-41-4-----	Ethylbenzene	17	U
100-42-5-----	Styrene	17	U
1330-20-7-----	Total Xylenes	17	U
76-13-1-----	1,1,2-Trichloro-1,2,2-trifluoroethane	17	U
156-59-2-----	cis-1,2-Dichloroethene	17	U

DELTA - SOIL ASP 2000/8260 - TCL VOLATILES
ANALYSIS DATA SHEET

57/1622

Client No.

TP-55

Lab Name: STL Buffalo Contract: _____

Lab Code: RECN Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) SOIL

Lab Sample ID: A5C23411

Sample wt/vol: 5.04 (g/mL) G

Lab File ID: Q8743.RR

Level: (low/med) LOW

Date Samp/Recv: 10/27/2005 10/28/2005

% Moisture: not dec. 43 Heated Purge: Y

Date Analyzed: 11/06/2005

GC Column: DB-624 ID: 0.25 (mm)

Dilution Factor: 1.00

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG Q

CAS NO.	COMPOUND		
156-60-5-----	trans-1,2-Dichloroethene	17	U
75-71-8-----	Dichlorodifluoromethane	3	J
75-69-4-----	Trichlorofluoromethane	17	U
79-20-9-----	Methyl acetate	17	U
1634-04-4----	Methyl-t-Butyl Ether (MIBE)	17	U
110-82-7-----	Cyclohexane	17	U
108-87-2-----	Methylcyclohexane	17	U
106-93-4-----	1,2-Dibromoethane	17	U
98-82-8-----	Isopropylbenzene	17	U
541-73-1-----	1,3-Dichlorobenzene	17	U
106-46-7-----	1,4-Dichlorobenzene	17	U
95-50-1-----	1,2-Dichlorobenzene	17	U
96-12-8-----	1,2-Dibromo-3-chloropropane	17	U
120-82-1-----	1,2,4-Trichlorobenzene	17	U

DELTA - SOIL ASP 2000/8260 - TCL VOLATILES
TENTATIVELY IDENTIFIED COMPOUNDS

58/1622

Client No.

TP-55

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) SOIL Lab Sample ID: A5C23411

Sample wt/vol: 5.04 (g/mL) G Lab File ID: Q8743.RR

Level: (low/med) LOW Date Samp/Recv: 10/27/2005 10/28/2005

% Moisture: not dec. 42.9 Date Analyzed: 11/06/2005

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

Number TICs found: 2

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

CAS NO.	Compound Name	RT	Est. Conc.	Q
1. 110-54-3	HEXANE	4.02	12	JN
2. 541-05-9	HEXAMETHYLCYCLOTRISILOXANE	7.36	9	JN

TP-58

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) SOIL Lab Sample ID: A5C23412

Sample wt/vol: 5.12 (g/mL) G Lab File ID: Q8744.RR

Level: (low/med) LOW Date Samp/Recv: 10/27/2005 10/28/2005

% Moisture: not dec. 12 Heated Purge: Y Date Analyzed: 11/06/2005

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/KG Q

74-87-3-----	Chloromethane	11	U
74-83-9-----	Bromomethane	11	U
75-01-4-----	Vinyl chloride	11	U
75-00-3-----	Chloroethane	11	U
75-09-2-----	Methylene chloride	11	U
67-64-1-----	Acetone	14	
75-15-0-----	Carbon Disulfide	11	U
75-35-4-----	1,1-Dichloroethene	11	U
75-34-3-----	1,1-Dichloroethane	11	U
67-66-3-----	Chloroform	11	U
107-06-2-----	1,2-Dichloroethane	11	U
78-93-3-----	2-Butanone	11	U
71-55-6-----	1,1,1-Trichloroethane	11	U
56-23-5-----	Carbon Tetrachloride	11	U
75-27-4-----	Bromodichloromethane	11	U
78-87-5-----	1,2-Dichloropropane	11	U
10061-01-5----	cis-1,3-Dichloropropene	11	U
79-01-6-----	Trichloroethene	11	U
124-48-1-----	Dibromochloromethane	11	U
79-00-5-----	1,1,2-Trichloroethane	11	U
71-43-2-----	Benzene	11	U
10061-02-6----	trans-1,3-Dichloropropene	11	U
75-25-2-----	Bromoform	11	U
108-10-1-----	4-Methyl-2-pentanone	11	U
591-78-6-----	2-Hexanone	11	U
127-18-4-----	Tetrachloroethene	11	U
108-88-3-----	Toluene	11	U
79-34-5-----	1,1,2,2-Tetrachloroethane	11	U
108-90-7-----	Chlorobenzene	11	U
100-41-4-----	Ethylbenzene	11	U
100-42-5-----	Styrene	11	U
1330-20-7-----	Total Xylenes	11	U
76-13-1-----	1,1,2-Trichloro-1,2,2-trifluoroethane	11	U
156-59-2-----	cis-1,2-Dichloroethene	11	U

DELTA - SOIL ASP 2000/8260 - TCL VOLATILES
ANALYSIS DATA SHEET

60/1622

Client No.

TP-58

Lab Name: STL Buffalo

Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) SOIL

Lab Sample ID: A5C23412

Sample wt/vol: 5.12 (g/mL) G

Lab File ID: Q8744.RR

Level: (low/med) LOW

Date Samp/Recv: 10/27/2005 10/28/2005

% Moisture: not dec. 12 Heated Purge: Y

Date Analyzed: 11/06/2005

GC Column: DB-624 ID: 0.25 (mm)

Dilution Factor: 1.00

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/KG Q

156-60-5-----	trans-1,2-Dichloroethene	11	U
75-71-8-----	Dichlorodifluoromethane	11	U
75-69-4-----	Trichlorofluoromethane	11	U
79-20-9-----	Methyl acetate	11	U
1634-04-4-----	Methyl-t-Butyl Ether (MTBE)	11	U
110-82-7-----	Cyclohexane	11	U
108-87-2-----	Methylcyclohexane	11	U
106-93-4-----	1,2-Dibromoethane	11	U
98-82-8-----	Isopropylbenzene	11	U
541-73-1-----	1,3-Dichlorobenzene	11	U
106-46-7-----	1,4-Dichlorobenzene	11	U
95-50-1-----	1,2-Dichlorobenzene	11	U
96-12-8-----	1,2-Dibromo-3-chloropropane	11	U
120-82-1-----	1,2,4-Trichlorobenzene	11	U

DELTA - SOIL ASP 2000/8260 - TCL VOLATILES
TENTATIVELY IDENTIFIED COMPOUNDS

61/1622

Client No.

TP-58

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) SOIL

Lab Sample ID: A5C23412

Sample wt/vol: 5.12 (g/mL) G

Lab File ID: Q8744.RR

Level: (low/med) LOW

Date Samp/Recv: 10/27/2005 10/28/2005

% Moisture: not dec. 11.6

Date Analyzed: 11/06/2005

GC Column: DB-624 ID: 0.25 (mm)

Dilution Factor: 1.00

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

Number TICs found: 1

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

CAS NO.	Compound Name	RT	Est. Conc.	Q
1. 110-54-3	HEXANE	4.02	7	JN

ASP 2000- METHOD 8270 SEMIVOLATILES
ANALYSIS DATA SHEET

62/1622

Client No.

TP-38

Lab Name: STL Buffalo

Contract: _____

Lab Code: RECNY

Case No.: _____

SAS No.: _____

SDG No.: _____

Matrix: (soil/water) SOIL

Lab Sample ID: A5C23403

Sample wt/vol: 30.35 (g/mL) G

Lab File ID: V12359.RR

Level: (low/med) LOW

Date Samp/Recv: 10/26/2005 10/28/2005

% Moisture: 20 decanted: (Y/N) N

Date Extracted: 10/30/2005

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 11/11/2005

Injection Volume: 2.00 (uL)

Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 7.8

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/KG Q

100-52-7	Benzaldehyde	400	U
108-95-2	Phenol	400	U
111-44-4	Bis(2-chloroethyl) ether	400	U
95-57-8	2-Chlorophenol	400	U
95-48-7	2-Methylphenol	400	U
108-60-1	2,2'-Oxybis(1-Chloropropane)	400	U
98-86-2	Acetophenone	400	U
106-44-5	4-Methylphenol	400	U
621-64-7	N-Nitroso-Di-n-propylamine	400	U
67-72-1	Hexachloroethane	400	U
98-95-3	Nitrobenzene	400	U
78-59-1	Isophorone	400	U
88-75-5	2-Nitrophenol	400	U
105-67-9	2,4-Dimethylphenol	400	U
111-91-1	Bis(2-chloroethoxy) methane	400	U
120-83-2	2,4-Dichlorophenol	400	U
91-20-3	Naphthalene	86	J
106-47-8	4-Chloroaniline	400	U
87-68-3	Hexachlorobutadiene	400	U
105-60-2	Caprolactam	400	U
59-50-7	4-Chloro-3-methylphenol	400	U
91-57-6	2-Methylnaphthalene	76	J
77-47-4	Hexachlorocyclopentadiene	400	U
88-06-2	2,4,6-Trichlorophenol	400	U
95-95-4	2,4,5-Trichlorophenol	400	U
92-52-4	Biphenyl	400	U
91-58-7	2-Chloronaphthalene	400	U
88-74-4	2-Nitroaniline	980	U
131-11-3	Dimethyl phthalate	400	U
208-96-8	Acenaphthylene	12	J
606-20-2	2,6-Dinitrotoluene	400	U
99-09-2	3-Nitroaniline	980	U

ASP 2000- METHOD 8270 SEMIVOLATILES
ANALYSIS DATA SHEET

63/1622

Client No.

TP-38

Lab Name: STL Buffalo

Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) SOIL

Lab Sample ID: A5C23403

Sample wt/vol: 30.35 (g/mL) G

Lab File ID: V12359.RR

Level: (low/med) LOW

Date Samp/Recv: 10/26/2005 10/28/2005

% Moisture: 20 decanted: (Y/N) N

Date Extracted: 10/30/2005

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 11/11/2005

Injection Volume: 2.00 (uL)

Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 7.8

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/KG Q

83-32-9-----	Acenaphthene	14	J
51-28-5-----	2,4-Dinitrophenol	980	U
100-02-7-----	4-Nitrophenol	980	U
132-64-9-----	Dibenzofuran	19	J
121-14-2-----	2,4-Dinitrotoluene	400	U
84-66-2-----	Diethyl phthalate	400	U
7005-72-3-----	4-Chlorophenyl phenyl ether	400	U
86-73-7-----	Fluorene	35	J
100-01-6-----	4-Nitroaniline	980	U
534-52-1-----	4,6-Dinitro-2-methylphenol	980	U
86-30-6-----	N-nitrosodiphenylamine	400	U
101-55-3-----	4-Bromophenyl phenyl ether	400	U
118-74-1-----	Hexachlorobenzene	400	U
1912-24-9-----	Atrazine	400	U
87-86-5-----	Pentachlorophenol	980	U
85-01-8-----	Phenanthrene	200	J
120-12-7-----	Anthracene	26	J
86-74-8-----	Carbazole	400	U
84-74-2-----	Di-n-butyl phthalate	36	J
206-44-0-----	Fluoranthene	120	J
129-00-0-----	Pyrene	110	J
85-68-7-----	Butyl benzyl phthalate	400	U
91-94-1-----	3,3'-Dichlorobenzidine	400	U
56-55-3-----	Benzo(a)anthracene	45	J
218-01-9-----	Chrysene	64	J
117-81-7-----	Bis(2-ethylhexyl) phthalate	1400	B
117-84-0-----	Di-n-octyl phthalate	400	U
205-99-2-----	Benzo(b)fluoranthene	58	J
207-08-9-----	Benzo(k)fluoranthene	21	J
50-32-8-----	Benzo(a)pyrene	35	J
193-39-5-----	Indeno(1,2,3-cd)pyrene	26	J
53-70-3-----	Dibenzo(a,h)anthracene	400	U

ASP 2000- METHOD 8270 SEMIVOLATILES
ANALYSIS DATA SHEET

64/1622

Client No.

TP-38

Lab Name: STL Buffalo Contract: _____

Lab Code: RECN Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) SOIL Lab Sample ID: A5C23403

Sample wt/vol: 30.35 (g/mL) G Lab File ID: V12359.RR

Level: (low/med) LOW Date Samp/Recv: 10/26/2005 10/28/2005

% Moisture: 20 decanted: (Y/N) N Date Extracted: 10/30/2005

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 11/11/2005

Injection Volume: 2.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 7.8

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/KG Q

191-24-2-----	Benzo (ghi) perylene	33	J
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ASP 2000- METHOD 8270 SEMIVOLATILES
TENTATIVELY IDENTIFIED COMPOUNDS

65/1622

Client No.

TP-38

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) SOIL Lab Sample ID: A5C23403

Sample wt/vol: 30.35 (g/mL) G Lab File ID: V12359.RR

Level: (low/med) LOW Date Samp/Recv: 10/26/2005 10/28/2005

% Moisture: 19.6 decanted: (Y/N) N Date Extracted: 10/30/2005

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 11/11/2005

Injection Volume: 2.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 7.8

Number TICs found: 15

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

CAS NO.	Compound Name	RT	Est. Conc.	Q
1.	TRIMETHYLBENZENE ISOMER	6.44	110	J
2. 90-12-0	1-METHYLNAPHTHALENE	9.76	150	JN
3.	UNKNOWN HYDROCARBON	10.85	160	J
4. 13798-23-7	SULFUR	11.52	94	JN
5.	UNKNOWN HYDROCARBON	12.58	280	J
6.	UNKNOWN	12.72	93	J
7. 779-02-2	UNKNOWN PAH DER.	13.75	130	JN
8.	UNKNOWN PAH DER.	13.78	230	J
9.	UNKNOWN	14.32	550	J
10. 6566-19-4	10,18-BISNORABIETA-5,7,9(10)	14.54	170	JN
11.	UNKNOWN PAH DER.	14.98	120	J
12.	UNKNOWN PAH DER.	17.62	920	J
13.	UNKNOWN PAH DER.	17.94	610	J
14.	UNKNOWN PAH DER.	18.35	240	J
15. 83-46-5	.BETA.SITOSTEROL	18.58	320	JN

ASP 2000- METHOD 8270 SEMIVOLATILES
ANALYSIS DATA SHEET

66/1622

Client No.

TP-40

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) SOIL Lab Sample ID: A5C23401

Sample wt/vol: 30.48 (g/mL) G Lab File ID: V12353.RR

Level: (low/med) LOW Date Samp/Recv: 10/26/2005 10/28/2005

% Moisture: 28 decanted: (Y/N) N Date Extracted: 10/30/2005

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 11/09/2005

Injection Volume: 2.00 (uL) Dilution Factor: 10.00

GPC Cleanup: (Y/N) N pH: 7.8

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/KG Q

100-52-7	Benzaldehyde	4500	U
108-95-2	Phenol	4500	U
111-44-4	Bis(2-chloroethyl) ether	4500	U
95-57-8	2-Chlorophenol	4500	U
95-48-7	2-Methylphenol	4500	U
108-60-1	2,2'-Oxybis(1-Chloropropane)	4500	U
98-86-2	Acetophenone	4500	U
106-44-5	4-Methylphenol	4500	U
621-64-7	N-Nitroso-Di-n-propylamine	4500	U
67-72-1	Hexachloroethane	4500	U
98-95-3	Nitrobenzene	4500	U
78-59-1	Isophorone	4500	U
88-75-5	2-Nitrophenol	4500	U
105-67-9	2,4-Dimethylphenol	4500	U
111-91-1	Bis(2-chloroethoxy) methane	4500	U
120-83-2	2,4-Dichlorophenol	4500	U
91-20-3	Naphthalene	320	J
106-47-8	4-Chloroaniline	4500	U
87-68-3	Hexachlorobutadiene	4500	U
105-60-2	Caprolactam	4500	U
59-50-7	4-Chloro-3-methylphenol	4500	U
91-57-6	2-Methylnaphthalene	230	J
77-47-4	Hexachlorocyclopentadiene	4500	U
88-06-2	2,4,6-Trichlorophenol	4500	U
95-95-4	2,4,5-Trichlorophenol	4500	U
92-52-4	Biphenyl	4500	U
91-58-7	2-Chloronaphthalene	4500	U
88-74-4	2-Nitroaniline	11000	U
131-11-3	Dimethyl phthalate	4500	U
208-96-8	Acenaphthylene	570	J
606-20-2	2,6-Dinitrotoluene	4500	U
99-09-2	3-Nitroaniline	11000	U

ASP 2000- METHOD 8270 SEMIVOLATILES
ANALYSIS DATA SHEET

67/1622

Client No.

TP-40

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) SOIL Lab Sample ID: A5C23401

Sample wt/vol: 30.48 (g/mL) G Lab File ID: V12353.RR

Level: (low/med) LOW Date Samp/Recv: 10/26/2005 10/28/2005

% Moisture: 28 decanted: (Y/N) N Date Extracted: 10/30/2005

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 11/09/2005

Injection Volume: 2.00 (uL) Dilution Factor: 10.00

GPC Cleanup: (Y/N) N pH: 7.8

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/KG	Q
83-32-9	Acenaphthene	190	J	
51-28-5	2,4-Dinitrophenol	11000	U	
100-02-7	4-Nitrophenol	11000	U	
132-64-9	Dibenzofuran	160	J	
121-14-2	2,4-Dinitrotoluene	4500	U	
84-66-2	Diethyl phthalate	4500	U	
7005-72-3	4-Chlorophenyl phenyl ether	4500	U	
86-73-7	Fluorene	460	J	
100-01-6	4-Nitroaniline	11000	U	
534-52-1	4,6-Dinitro-2-methylphenol	11000	U	
86-30-6	N-nitrosodiphenylamine	4500	U	
101-55-3	4-Bromophenyl phenyl ether	4500	U	
118-74-1	Hexachlorobenzene	4500	U	
1912-24-9	Atrazine	4500	U	
87-86-5	Pentachlorophenol	11000	U	
85-01-8	Phenanthrene	3600	J	
120-12-7	Anthracene	860	J	
86-74-8	Carbazole	250	J	
84-74-2	Di-n-butyl phthalate	4500	U	
206-44-0	Fluoranthene	4400	J	
129-00-0	Pyrene	4000	J	
85-68-7	Butyl benzyl phthalate	4500	U	
91-94-1	3,3'-Dichlorobenzidine	4500	U	
56-55-3	Benzo (a) anthracene	2200	J	
218-01-9	Chrysene	2200	J	
117-81-7	Bis (2-ethylhexyl) phthalate	2500	BJU	
117-84-0	Di-n-octyl phthalate	4500	U	
205-99-2	Benzo (b) fluoranthene	2400	J	
207-08-9	Benzo (k) fluoranthene	680	J	
50-32-8	Benzo (a) pyrene	2000	J	
193-39-5	Indeno (1,2,3-cd) pyrene	1200	J	
53-70-3	Dibenzo (a,h) anthracene	370	J	

ASP 2000- METHOD 8270 SEMIVOLATILES
ANALYSIS DATA SHEET

68/1622

Client No.

TP-40

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) SOIL Lab Sample ID: A5C23401

Sample wt/vol: 30.48 (g/mL) G Lab File ID: V12353.RR

Level: (low/med) LOW Date Samp/Recv: 10/26/2005 10/28/2005

% Moisture: 28 decanted: (Y/N) N Date Extracted: 10/30/2005

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 11/09/2005

Injection Volume: 2.00 (uL) Dilution Factor: 10.00

GPC Cleanup: (Y/N) N pH: 7.8

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/KG Q

191-24-2-----	Benzo (ghi) perylene	1500	J
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ASP 2000- METHOD 8270 SEMIVOLATILES
TENTATIVELY IDENTIFIED COMPOUNDS

69/1622

Client No.

TP-40

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) SOIL Lab Sample ID: A5C23401

Sample wt/vol: 30.48 (g/mL) G Lab File ID: V12353.RR

Level: (low/med) LOW Date Samp/Recv: 10/26/2005 10/28/2005

% Moisture: 27.6 decanted: (Y/N) N Date Extracted: 10/30/2005

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 11/09/2005

Injection Volume: 2.00 (uL) Dilution Factor: 10.00

GPC Cleanup: (Y/N) N pH: 7.8

Number TICs found: 7

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

CAS NO.	Compound Name	RT	Est. Conc.	Q
1.	UNKNOWN PAH DER.	13.76	1100	J
2.	UNKNOWN PAH DER.	13.79	1300	J
3.	UNKNOWN PAH DER.	13.88	1700	J
4.	UNKNOWN PAH DER.	14.34	1500	J
5.	UNKNOWN PAH DER.	17.64	1300	J
6.	UNKNOWN PAH DER.	17.96	1300	J
7. 83-46-5	.BETA.-SITOSTEROL	18.61	1200	JN

ASP 2000- METHOD 8270 SEMIVOLATILES
ANALYSIS DATA SHEET

70/1622

Client No.

TP-42

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) SOIL Lab Sample ID: A5C23402

Sample wt/vol: 30.17 (g/mL) G Lab File ID: V12354.RR

Level: (low/med) LOW Date Samp/Recv: 10/26/2005 10/28/2005

% Moisture: 52 decanted: (Y/N) N Date Extracted: 10/30/2005

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 11/09/2005

Injection Volume: 2.00 (uL) Dilution Factor: 5.00

GPC Cleanup: (Y/N) N pH: 6.4

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/KG Q

100-52-7-----	Benzaldehyde	3400	U
108-95-2-----	Phenol	3400	U
111-44-4-----	Bis(2-chloroethyl) ether	3400	U
95-57-8-----	2-Chlorophenol	3400	U
95-48-7-----	2-Methylphenol	3400	U
108-60-1-----	2,2'-Oxybis(1-Chloropropane)	3400	U
98-86-2-----	Acetophenone	3400	U
106-44-5-----	4-Methylphenol	3400	U
621-64-7-----	N-Nitroso-Di-n-propylamine	3400	U
67-72-1-----	Hexachloroethane	3400	U
98-95-3-----	Nitrobenzene	3400	U
78-59-1-----	Isophorone	3400	U
88-75-5-----	2-Nitrophenol	3400	U
105-67-9-----	2,4-Dimethylphenol	3400	U
111-91-1-----	Bis(2-chloroethoxy) methane	3400	U
120-83-2-----	2,4-Dichlorophenol	3400	U
91-20-3-----	Naphthalene	3400	U
106-47-8-----	4-Chloroaniline	3400	U
87-68-3-----	Hexachlorobutadiene	3400	U
105-60-2-----	Caprolactam	3400	U
59-50-7-----	4-Chloro-3-methylphenol	3400	U
91-57-6-----	2-Methylnaphthalene	3400	U
77-47-4-----	Hexachlorocyclopentadiene	3400	U
88-06-2-----	2,4,6-Trichlorophenol	3400	U
95-95-4-----	2,4,5-Trichlorophenol	3400	U
92-52-4-----	Biphenyl	3400	U
91-58-7-----	2-Chloronaphthalene	3400	U
88-74-4-----	2-Nitroaniline	8300	U
131-11-3-----	Dimethyl phthalate	3400	U
208-96-8-----	Acenaphthylene	200	J
606-20-2-----	2,6-Dinitrotoluene	3400	U
99-09-2-----	3-Nitroaniline	8300	U

ASP 2000- METHOD 8270 SEMIVOLATILES
ANALYSIS DATA SHEET

71/1622

Client No.

TP-42

Lab Name: STL Buffalo

Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) SOIL

Lab Sample ID: A5C23402

Sample wt/vol: 30.17 (g/mL) G

Lab File ID: V12354.RR

Level: (low/med) LOW

Date Samp/Recv: 10/26/2005 10/28/2005

% Moisture: 52 decanted: (Y/N) N

Date Extracted: 10/30/2005

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 11/09/2005

Injection Volume: 2.00 (uL)

Dilution Factor: 5.00

GPC Cleanup: (Y/N) N pH: 6.4

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

CAS NO.	COMPOUND	(ug/L or ug/Kg)	Q
83-32-9-----	Acenaphthene	3400	U
51-28-5-----	2,4-Dinitrophenol	8300	U
100-02-7-----	4-Nitrophenol	8300	U
132-64-9-----	Dibenzofuran	3400	U
121-14-2-----	2,4-Dinitrotoluene	3400	U
84-66-2-----	Diethyl phthalate	3400	U
7005-72-3-----	4-Chlorophenyl phenyl ether	3400	U
86-73-7-----	Fluorene	170	J
100-01-6-----	4-Nitroaniline	8300	U
534-52-1-----	4,6-Dinitro-2-methylphenol	8300	U
86-30-6-----	N-nitrosodiphenylamine	3400	U
101-55-3-----	4-Bromophenyl phenyl ether	3400	U
118-74-1-----	Hexachlorobenzene	3400	U
1912-24-9-----	Atrazine	3400	U
87-86-5-----	Pentachlorophenol	8300	U
85-01-8-----	Phenanthrene	1300	J
120-12-7-----	Anthracene	370	J
86-74-8-----	Carbazole	130	J
84-74-2-----	Di-n-butyl phthalate	3400	U
206-44-0-----	Fluoranthene	1900	J
129-00-0-----	Pyrene	1500	J
85-68-7-----	Butyl benzyl phthalate	3400	U
91-94-1-----	3,3'-Dichlorobenzidine	3400	U
56-55-3-----	Benzo(a)anthracene	870	J
218-01-9-----	Chrysene	900	J
117-81-7-----	Bis(2-ethylhexyl) phthalate	290	BJ U
117-84-0-----	Di-n-octyl phthalate	3400	U
205-99-2-----	Benzo(b)fluoranthene	1200	J
207-08-9-----	Benzo(k)fluoranthene	300	J
50-32-8-----	Benzo(a)pyrene	860	J
193-39-5-----	Indeno(1,2,3-cd)pyrene	550	J
53-70-3-----	Dibenzo(a,h)anthracene	160	J

ASP 2000- METHOD 8270 SEMIVOLATILES
ANALYSIS DATA SHEET

72/1622

Client No.

TP-42

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) SOIL Lab Sample ID: A5C23402

Sample wt/vol: 30.17 (g/mL) G Lab File ID: V12354.RR

Level: (low/med) LOW Date Samp/Recv: 10/26/2005 10/28/2005

% Moisture: 52 decanted: (Y/N) N Date Extracted: 10/30/2005

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 11/09/2005

Injection Volume: 2.00 (uL) Dilution Factor: 5.00

GPC Cleanup: (Y/N) N pH: 6.4

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG Q

CAS NO.	COMPOUND		
191-24-2	Benzo(ghi)perylene	700	J

ASP 2000- METHOD 8270 SEMIVOLATILES
TENTATIVELY IDENTIFIED COMPOUNDS

73/1622

Client No.

TP-42

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) SOIL Lab Sample ID: A5C23402

Sample wt/vol: 30.17 (g/mL) G Lab File ID: V12354.RR

Level: (low/med) LOW Date Samp/Recv: 10/26/2005 10/28/2005

% Moisture: 51.9 decanted: (Y/N) N Date Extracted: 10/30/2005

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 11/09/2005

Injection Volume: 2.00 (uL) Dilution Factor: 5.00

GPC Cleanup: (Y/N) N pH: 6.4

Number TICs found: 10

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

CAS NO.	Compound Name	RT	Est. Conc.	Q
1. 13798-23-7	SULFUR	11.64	1900	JN
2. 2136-71-2	2- (HEXADECYLOXY) -ETHANOL	15.71	1700	JN
3. 1599-67-3	1-DOCOSENE	16.26	3900	JN
4.	UNKNOWN PAH DER	16.84	760	J
5. 10191-41-0	VITAMIN E	17.66	970	JN
6. 83-46-5	.BETA.-SITOSTEROL	18.60	1100	JN
7.	UNKNOWN	18.67	2200	J
8.	UNKNOWN	19.00	1200	J
9.	UNKNOWN	19.92	1900	J
10. 559-74-0	FRIEDELAN-3-ONE	20.05	5200	JN

ASP 2000- METHOD 8270 SEMIVOLATILES
ANALYSIS DATA SHEET

74/1622

Client No.

TP-44

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) SOIL Lab Sample ID: A5C23407

Sample wt/vol: 30.43 (g/mL) G Lab File ID: V12362.RR

Level: (low/med) LOW Date Samp/Recv: 10/26/2005 10/28/2005

% Moisture: 65 decanted: (Y/N) N Date Extracted: 10/30/2005

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 11/11/2005

Injection Volume: 2.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 6.3

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/KG Q

100-52-7-----	Benzaldehyde	200	J
108-95-2-----	Phenol	940	U
111-44-4-----	Bis(2-chloroethyl) ether	940	U
95-57-8-----	2-Chlorophenol	940	U
95-48-7-----	2-Methylphenol	940	U
108-60-1-----	2,2'-Oxybis(1-Chloropropane)	940	U
98-86-2-----	Acetophenone	940	U
106-44-5-----	4-Methylphenol	940	U
621-64-7-----	N-Nitroso-Di-n-propylamine	940	U
67-72-1-----	Hexachloroethane	940	U
98-95-3-----	Nitrobenzene	940	U
78-59-1-----	Isophorone	940	U
88-75-5-----	2-Nitrophenol	940	U
105-67-9-----	2,4-Dimethylphenol	940	U
111-91-1-----	Bis(2-chloroethoxy) methane	940	U
120-83-2-----	2,4-Dichlorophenol	940	U
91-20-3-----	Naphthalene	940	U
106-47-8-----	4-Chloroaniline	940	U
87-68-3-----	Hexachlorobutadiene	940	U
105-60-2-----	Caprolactam	940	U
59-50-7-----	4-Chloro-3-methylphenol	940	U
91-57-6-----	2-Methylnaphthalene	940	U
77-47-4-----	Hexachlorocyclopentadiene	940	U
88-06-2-----	2,4,6-Trichlorophenol	940	U
95-95-4-----	2,4,5-Trichlorophenol	940	U
92-52-4-----	Biphenyl	940	U
91-58-7-----	2-Chloronaphthalene	940	U
88-74-4-----	2-Nitroaniline	2300	U
131-11-3-----	Dimethyl phthalate	940	U
208-96-8-----	Acenaphthylene	940	U
606-20-2-----	2,6-Dinitrotoluene	940	U
99-09-2-----	3-Nitroaniline	2300	U

ASP 2000- METHOD 8270 SEMIVOLATILES
ANALYSIS DATA SHEET

75/1622

Client No.

TP-44

Lab Name: STL Buffalo

Contract: _____

Lab Code: RECNY

Case No.: _____

SAS No.: _____

SDG No.: _____

Matrix: (soil/water) SOIL

Lab Sample ID: A5C23407

Sample wt/vol: 30.43 (g/mL) G

Lab File ID: V12362.RR

Level: (low/med) LOW

Date Samp/Recv: 10/26/2005 10/28/2005

% Moisture: 65 decanted: (Y/N) N

Date Extracted: 10/30/2005

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 11/11/2005

Injection Volume: 2.00 (uL)

Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 6.3

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/KG Q

83-32-9-----	Acenaphthene	940	U
51-28-5-----	2,4-Dinitrophenol	2300	U
100-02-7-----	4-Nitrophenol	2300	U
132-64-9-----	Dibenzofuran	940	U
121-14-2-----	2,4-Dinitrotoluene	940	U
84-66-2-----	Diethyl phthalate	940	U
7005-72-3-----	4-Chlorophenyl phenyl ether	940	U
86-73-7-----	Fluorene	940	U
100-01-6-----	4-Nitroaniline	2300	U
534-52-1-----	4,6-Dinitro-2-methylphenol	2300	U
86-30-6-----	N-nitrosodiphenylamine	940	U
101-55-3-----	4-Bromophenyl phenyl ether	940	U
118-74-1-----	Hexachlorobenzene	940	U
1912-24-9-----	Atrazine	940	U
87-86-5-----	Pentachlorophenol	2300	U
85-01-8-----	Phenanthrene	63	J
120-12-7-----	Anthracene	940	U
86-74-8-----	Carbazole	940	U
84-74-2-----	Di-n-butyl phthalate	940	U
206-44-0-----	Fluoranthene	130	J
129-00-0-----	Pyrene	96	J
85-68-7-----	Butyl benzyl phthalate	940	U
91-94-1-----	3,3'-Dichlorobenzidine	940	U
56-55-3-----	Benzo (a) anthracene	64	J
218-01-9-----	Chrysene	65	J
117-81-7-----	Bis (2-ethylhexyl) phthalate	100	BJ U
117-84-0-----	Di-n-octyl phthalate	940	U
205-99-2-----	Benzo (b) fluoranthene	120	J
207-08-9-----	Benzo (k) fluoranthene	110	J
50-32-8-----	Benzo (a) pyrene	66	J
193-39-5-----	Indeno (1,2,3-cd) pyrene	41	J
53-70-3-----	Dibenzo (a, h) anthracene	940	U

ASP 2000- METHOD 8270 SEMIVOLATILES
ANALYSIS DATA SHEET

76/1622

Client No.

TP-44

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) SOIL Lab Sample ID: A5C23407

Sample wt/vol: 30.43 (g/mL) G Lab File ID: V12362.RR

Level: (low/med) LOW Date Samp/Recv: 10/26/2005 10/28/2005

% Moisture: 65 decanted: (Y/N) N Date Extracted: 10/30/2005

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 11/11/2005

Injection Volume: 2.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 6.3

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG Q

CAS NO.	COMPOUND		
191-24-2-----	Benzo(ghi)perylene	47	J

ASP 2000- METHOD 8270 SEMIVOLATILES
TENTATIVELY IDENTIFIED COMPOUNDS

77/1622

Client No.

TP-44

Lab Name: STL Buffalo

Contract: _____

Lab Code: RECNY

Case No.: _____

SAS No.: _____

SDG No.: _____

Matrix: (soil/water) SOIL

Lab Sample ID: A5C23407

Sample wt/vol: 30.43 (g/mL) G

Lab File ID: V12362.RR

Level: (low/med) LOW

Date Samp/Recv: 10/26/2005 10/28/2005

% Moisture: 65.4 decanted: (Y/N) N

Date Extracted: 10/30/2005

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 11/11/2005

Injection Volume: 2.00 (uL)

Dilution Factor: 1.00

GPC Cleanup: (Y/N) N

pH: 6.3

CONCENTRATION UNITS:

(ug/L or ug/Kg) UG/KG

Number TICs found: 23

CAS NO.	Compound Name	RT	Est. Conc.	Q
1. 502-69-2	2-PENTADECANONE, 6,10,14-TRIM	13.33	530	JN
2. 57-10-3	N-HEXADECANOIC ACID	13.86	590	JN
3. 96168-15-9	4,8,12,16-TETRAMETHYLHEPTADE	15.29	520	JN
4.	UNKNOWN	15.59	420	J
5. 18435-45-5	1-NONADECENE	15.69	4400	JN
6. 557-59-5	TETRACOSANOIC ACID	16.43	310	JN
7. 7616-22-0	.GAMMA.-TOCOPHEROL	17.35	340	JN
8.	UNKNOWN ALCOHOL	17.47	570	J
9.	UNKNOWN	17.52	360	J
10. 59-02-9	VITAMINE E	17.64	830	JN
11. 2599-01-1	TETRADECANOIC ACID, HEXADECYL	17.68	320	JN
12. 27409-41-2	CHOLESTAN-3-OL	17.80	360	JN
13. 83-48-7	STIGMASTEROL	18.29	310	JN
14.	UNKNOWN	18.35	340	J
15. 83-46-5	.BETA. SITOSTEROL	18.58	1100	JN
16. 19466-47-8	STIGMASTANOL	18.65	2200	JN
17.	UNKNOWN	18.85	690	J
18. 1617-70-5	LUP-20 (29) -EN-3-ONE	18.97	1300	JN
19. 2034-72-2	STIGMASTA-3,5-DIEN-7-ONE	19.07	770	JN
20. 1058-61-3	STIGMAST-4-EN-3-ONE	19.28	560	JN
21.	UNKNOWN	19.68	430	J
22.	UNKNOWN	19.89	1600	J
23. 559-74-0	FREIDELAN-3-ONE	20.01	3300	JN

ASP 2000- METHOD 8270 SEMIVOLATILES
ANALYSIS DATA SHEET

78/1622

Client No.

TP-45

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) SOIL Lab Sample ID: A5C23405

Sample wt/vol: 30.16 (g/mL) G Lab File ID: V12360.RR

Level: (low/med) LOW Date Samp/Recv: 10/26/2005 10/28/2005

% Moisture: 54 decanted: (Y/N) N Date Extracted: 10/30/2005

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 11/11/2005

Injection Volume: 2.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 6.5

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/KG Q

100-52-7	Benzaldehyde	720	U
108-95-2	Phenol	720	U
111-44-4	Bis(2-chloroethyl) ether	720	U
95-57-8	2-Chlorophenol	720	U
95-48-7	2-Methylphenol	720	U
108-60-1	2,2'-Oxybis(1-Chloropropane)	720	U
98-86-2	Acetophenone	720	U
106-44-5	4-Methylphenol	39	J
621-64-7	N-Nitroso-Di-n-propylamine	720	U
67-72-1	Hexachloroethane	720	U
98-95-3	Nitrobenzene	720	U
78-59-1	Isophorone	720	U
88-75-5	2-Nitrophenol	720	U
105-67-9	2,4-Dimethylphenol	720	U
111-91-1	Bis(2-chloroethoxy) methane	720	U
120-83-2	2,4-Dichlorophenol	720	U
91-20-3	Naphthalene	720	U
106-47-8	4-Chloroaniline	720	U
87-68-3	Hexachlorobutadiene	720	U
105-60-2	Caprolactam	720	U
59-50-7	4-Chloro-3-methylphenol	720	U
91-57-6	2-Methylnaphthalene	720	U
77-47-4	Hexachlorocyclopentadiene	720	U
88-06-2	2,4,6-Trichlorophenol	720	U
95-95-4	2,4,5-Trichlorophenol	720	U
92-52-4	Biphenyl	720	U
91-58-7	2-Chloronaphthalene	720	U
88-74-4	2-Nitroaniline	1700	U
131-11-3	Dimethyl phthalate	720	U
208-96-8	Acenaphthylene	94	J
606-20-2	2,6-Dinitrotoluene	720	U
99-09-2	3-Nitroaniline	1700	U

ASP 2000- METHOD 8270 SEMIVOLATILES
ANALYSIS DATA SHEET

79/1622

Client No.

TP-45

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) SOIL Lab Sample ID: A5C23405

Sample wt/vol: 30.16 (g/mL) G Lab File ID: V12360.RR

Level: (low/med) LOW Date Samp/Recv: 10/26/2005 10/28/2005

% Moisture: 54 decanted: (Y/N) N Date Extracted: 10/30/2005

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 11/11/2005

Injection Volume: 2.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 6.5

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/KG	Q
83-32-9	Acenaphthene	720	U	
51-28-5	2,4-Dinitrophenol	1700	U	
100-02-7	4-Nitrophenol	1700	U	
132-64-9	Dibenzofuran	720	U	
121-14-2	2,4-Dinitrotoluene	720	U	
84-66-2	Diethyl phthalate	720	U	
7005-72-3	4-Chlorophenyl phenyl ether	720	U	
86-73-7	Fluorene	29	J	
100-01-6	4-Nitroaniline	1700	U	
534-52-1	4,6-Dinitro-2-methylphenol	1700	U	
86-30-6	N-nitrosodiphenylamine	720	U	
101-55-3	4-Bromophenyl phenyl ether	720	U	
118-74-1	Hexachlorobenzene	720	U	
1912-24-9	Atrazine	720	U	
87-86-5	Pentachlorophenol	1700	U	
85-01-8	Phenanthrene	300	J	
120-12-7	Anthracene	76	J	
86-74-8	Carbazole	40	J	
84-74-2	Di-n-butyl phthalate	720	U	
206-44-0	Fluoranthene	580	J	
129-00-0	Pyrene	490	J	
85-68-7	Butyl benzyl phthalate	720	U	
91-94-1	3,3'-Dichlorobenzidine	720	U	
56-55-3	Benzo (a) anthracene	290	J	
218-01-9	Chrysene	310	J	
117-81-7	Bis(2-ethylhexyl) phthalate	79	BJU	
117-84-0	Di-n-octyl phthalate	720	U	
205-99-2	Benzo (b) fluoranthene	440	J	
207-08-9	Benzo (k) fluoranthene	120	J	
50-32-8	Benzo (a) pyrene	320	J	
193-39-5	Indeno (1,2,3-cd) pyrene	230	J	
53-70-3	Dibenzo (a, h) anthracene	67	J	

ASP 2000- METHOD 8270 SEMIVOLATILES
ANALYSIS DATA SHEET

80/1622

Client No.

TP-45

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) SOIL Lab Sample ID: A5C23405

Sample wt/vol: 30.16 (g/mL) G Lab File ID: V12360.RR

Level: (low/med) LOW Date Samp/Recv: 10/26/2005 10/28/2005

% Moisture: 54 decanted: (Y/N) N Date Extracted: 10/30/2005

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 11/11/2005

Injection Volume: 2.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 6.5

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/KG	Q
191-24-2-----	Benzo(ghi)perylene		260	J

ASP 2000- METHOD 8270 SEMIVOLATILES
TENTATIVELY IDENTIFIED COMPOUNDS

81/1622

Client No.

TP-45

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) SOIL Lab Sample ID: A5C23405

Sample wt/vol: 30.16 (g/mL) G Lab File ID: V12360.RR

Level: (low/med) LOW Date Samp/Recv: 10/26/2005 10/28/2005

% Moisture: 54.4 decanted: (Y/N) N Date Extracted: 10/30/2005

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 11/11/2005

Injection Volume: 2.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 6.5

Number TICs found: 12

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

CAS NO.	Compound Name	RT	Est. Conc.	Q
1.	UNKNOWN HYDROCARBON	12.72	150	J
2.	UNKNOWN HYDROCARBON	13.33	180	J
3.	UNKNOWN	13.65	180	J
4.	UNKNOWN PAH DER.	13.86	250	J
5. 1599-67-3	1-DOCOSENE	15.69	890	JN
6.	UNKNOWN HYDROCARBON	16.82	330	J
7. 83-47-6	.GAMMA.SITOSTEROL	18.57	330	JN
8. 6538-02-9	ERGOSTANOL	18.65	380	JN
9.	UNKNOWN	18.84	240	J
10. 1058-61-3	STIGMAST-4-EN-3-ONE	19.28	280	JN
11.	UNKNOWN	19.88	370	J
12. 559-74-0	FRIEDELAN-3-ONE	20.00	1100	JN

ASP 2000- METHOD 8270 SEMIVOLATILES
ANALYSIS DATA SHEET

82/1622

Client No.

TP-45-1

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) SOIL Lab Sample ID: A5C23406

Sample wt/vol: 30.61 (g/mL) G Lab File ID: V12361.RR

Level: (low/med) LOW Date Samp/Recv: 10/26/2005 10/28/2005

% Moisture: 52 decanted: (Y/N) N Date Extracted: 10/30/2005

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 11/11/2005

Injection Volume: 2.00 (uL) Dilution Factor: 5.00

GPC Cleanup: (Y/N) N pH: 6.3

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/KG Q

100-52-7	Benzaldehyde	3400	U
108-95-2	Phenol	3400	U
111-44-4	Bis(2-chloroethyl) ether	3400	U
95-57-8	2-Chlorophenol	3400	U
95-48-7	2-Methylphenol	3400	U
108-60-1	2,2'-Oxybis(1-Chloropropane)	3400	U
98-86-2	Acetophenone	3400	U
106-44-5	4-Methylphenol	3400	U
621-64-7	N-Nitroso-Di-n-propylamine	3400	U
67-72-1	Hexachloroethane	3400	U
98-95-3	Nitrobenzene	3400	U
78-59-1	Isophorone	3400	U
88-75-5	2-Nitrophenol	3400	U
105-67-9	2,4-Dimethylphenol	3400	U
111-91-1	Bis(2-chloroethoxy) methane	3400	U
120-83-2	2,4-Dichlorophenol	3400	U
91-20-3	Naphthalene	3400	U
106-47-8	4-Chloroaniline	3400	U
87-68-3	Hexachlorobutadiene	3400	U
105-60-2	Caprolactam	3400	U
59-50-7	4-Chloro-3-methylphenol	3400	U
91-57-6	2-Methylnaphthalene	3400	U
77-47-4	Hexachlorocyclopentadiene	3400	U
88-06-2	2,4,6-Trichlorophenol	3400	U
95-95-4	2,4,5-Trichlorophenol	3400	U
92-52-4	Biphenyl	3400	U
91-58-7	2-Chloronaphthalene	3400	U
88-74-4	2-Nitroaniline	8200	U
131-11-3	Dimethyl phthalate	3400	U
208-96-8	Acenaphthylene	100	J
606-20-2	2,6-Dinitrotoluene	3400	U
99-09-2	3-Nitroaniline	8200	U

ASP 2000- METHOD 8270 SEMIVOLATILES
ANALYSIS DATA SHEET

83/1622

Client No.

TP-45-1

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) SOIL Lab Sample ID: A5C23406

Sample wt/vol: 30.61 (g/mL) G Lab File ID: V12361.RR

Level: (low/med) LOW Date Samp/Recv: 10/26/2005 10/28/2005

% Moisture: 52 decanted: (Y/N) N Date Extracted: 10/30/2005

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 11/11/2005

Injection Volume: 2.00 (uL) Dilution Factor: 5.00

GPC Cleanup: (Y/N) N pH: 6.3

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/KG Q

83-32-9-----	Acenaphthene	3400	U
51-28-5-----	2,4-Dinitrophenol	8200	U
100-02-7-----	4-Nitrophenol	8200	U
132-64-9-----	Dibenzofuran	3400	U
121-14-2-----	2,4-Dinitrotoluene	3400	U
84-66-2-----	Diethyl phthalate	3400	U
7005-72-3-----	4-Chlorophenyl phenyl ether	3400	U
86-73-7-----	Fluorene	3400	U
100-01-6-----	4-Nitroaniline	8200	U
534-52-1-----	4,6-Dinitro-2-methylphenol	8200	U
86-30-6-----	N-nitrosodiphenylamine	3400	U
101-55-3-----	4-Bromophenyl phenyl ether	3400	U
118-74-1-----	Hexachlorobenzene	3400	U
1912-24-9-----	Atrazine	3400	U
87-86-5-----	Pentachlorophenol	8200	U
85-01-8-----	Phenanthrene	260	J
120-12-7-----	Anthracene	3400	U
86-74-8-----	Carbazole	3400	U
84-74-2-----	Di-n-butyl phthalate	3400	U
206-44-0-----	Fluoranthene	600	J
129-00-0-----	Pyrene	440	J
85-68-7-----	Butyl benzyl phthalate	3400	U
91-94-1-----	3,3'-Dichlorobenzidine	3400	U
56-55-3-----	Benzo (a) anthracene	280	J
218-01-9-----	Chrysene	320	J
117-81-7-----	Bis(2-ethylhexyl) phthalate	3400	U
117-84-0-----	Di-n-octyl phthalate	3400	U
205-99-2-----	Benzo (b) fluoranthene	400	J
207-08-9-----	Benzo (k) fluoranthene	3400	U
50-32-8-----	Benzo (a) pyrene	340	J
193-39-5-----	Indeno (1,2,3-cd) pyrene	250	J
53-70-3-----	Dibenzo (a,h) anthracene	3400	U

ASP 2000- METHOD 8270 SEMIVOLATILES
ANALYSIS DATA SHEET

84/1622

Client No.

TP-45-1

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) SOIL Lab Sample ID: A5C23406

Sample wt/vol: 30.61 (g/mL) G Lab File ID: V12361.RR

Level: (low/med) LOW Date Samp/Recv: 10/26/2005 10/28/2005

% Moisture: 52 decanted: (Y/N) N Date Extracted: 10/30/2005

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 11/11/2005

Injection Volume: 2.00 (uL) Dilution Factor: 5.00

GPC Cleanup: (Y/N) N pH: 6.3

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/KG	Q
191-24-2-----	Benzo(ghi)perylene	260	J	

ASP 2000- METHOD 8270 SEMIVOLATILES
TENTATIVELY IDENTIFIED COMPOUNDS

85/1622

Client No.

TP-45-1

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) SOIL Lab Sample ID: A5C23406

Sample wt/vol: 30.61 (g/mL) G Lab File ID: V12361.RR

Level: (low/med) LOW Date Samp/Recv: 10/26/2005 10/28/2005

% Moisture: 52.0 decanted: (Y/N) N Date Extracted: 10/30/2005

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 11/11/2005

Injection Volume: 2.00 (uL) Dilution Factor: 5.00

GPC Cleanup: (Y/N) N pH: 6.3

Number TICs found: 2

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

CAS NO.	Compound Name	RT	Est. Conc.	Q
1. 2136-71-2	2- (HEXADECYLOXY) -ETHANOL	15.70	900	JN
2.	UNKNOWN	19.99	1400	J

ASP 2000- METHOD 8270 SEMIVOLATILES
ANALYSIS DATA SHEET

86/1622

Client No.

TP-48

Lab Name: STL Buffalo Contract: _____

Lab Code: RECONY Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) SOIL Lab Sample ID: A5C23408

Sample wt/vol: 30.24 (g/mL) G Lab File ID: V12365.RR

Level: (low/med) LOW Date Samp/Recv: 10/26/2005 10/28/2005

% Moisture: 57 decanted: (Y/N) N Date Extracted: 10/30/2005

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 11/11/2005

Injection Volume: 2.00 (uL) Dilution Factor: 5.00

GPC Cleanup: (Y/N) N pH: 6.4

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/KG Q

100-52-7-----	Benzaldehyde	3800	U
108-95-2-----	Phenol	180	J
111-44-4-----	Bis(2-chloroethyl) ether	3800	U
95-57-8-----	2-Chlorophenol	170	J
95-48-7-----	2-Methylphenol	3800	U
108-60-1-----	2,2'-Oxybis(1-Chloropropane)	3800	U
98-86-2-----	Acetophenone	3800	U
106-44-5-----	4-Methylphenol	3800	U
621-64-7-----	N-Nitroso-Di-n-propylamine	3800	U
67-72-1-----	Hexachloroethane	3800	U
98-95-3-----	Nitrobenzene	3800	U
78-59-1-----	Isophorone	3800	U
88-75-5-----	2-Nitrophenol	3800	U
105-67-9-----	2,4-Dimethylphenol	3800	U
111-91-1-----	Bis(2-chloroethoxy) methane	3800	U
120-83-2-----	2,4-Dichlorophenol	3800	U
91-20-3-----	Naphthalene	3800	U
106-47-8-----	4-Chloroaniline	3800	U
87-68-3-----	Hexachlorobutadiene	3800	U
105-60-2-----	Caprolactam	3800	U
59-50-7-----	4-Chloro-3-methylphenol	190	J
91-57-6-----	2-Methylnaphthalene	3800	U
77-47-4-----	Hexachlorocyclopentadiene	3800	U
88-06-2-----	2,4,6-Trichlorophenol	3800	U
95-95-4-----	2,4,5-Trichlorophenol	3800	U
92-52-4-----	Biphenyl	3800	U
91-58-7-----	2-Chloronaphthalene	3800	U
88-74-4-----	2-Nitroaniline	9300	U
131-11-3-----	Dimethyl phthalate	3800	U
208-96-8-----	Acenaphthylene	3800	U
606-20-2-----	2,6-Dinitrotoluene	3800	U
99-09-2-----	3-Nitroaniline	9300	U

ASP 2000- METHOD 8270 SEMIVOLATILES
ANALYSIS DATA SHEET

87/1622

Client No.

TP-48

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) SOIL Lab Sample ID: A5C23408

Sample wt/vol: 30.24 (g/mL) G Lab File ID: V12365.RR

Level: (low/med) LOW Date Samp/Recv: 10/26/2005 10/28/2005

% Moisture: 57 decanted: (Y/N) N Date Extracted: 10/30/2005

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 11/11/2005

Injection Volume: 2.00 (uL) Dilution Factor: 5.00

GPC Cleanup: (Y/N) N pH: 6.4

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/KG Q

83-32-9-----	Acenaphthene	140	J
51-28-5-----	2,4-Dinitrophenol	9300	U
100-02-7-----	4-Nitrophenol	9300	U
132-64-9-----	Dibenzofuran	3800	U
121-14-2-----	2,4-Dinitrotoluene	3800	U
84-66-2-----	Diethyl phthalate	3800	U
7005-72-3-----	4-Chlorophenyl phenyl ether	3800	U
86-73-7-----	Fluorene	3800	U
100-01-6-----	4-Nitroaniline	9300	U
534-52-1-----	4,6-Dinitro-2-methylphenol	9300	U
86-30-6-----	N-nitrosodiphenylamine	3800	U
101-55-3-----	4-Bromophenyl phenyl ether	3800	U
118-74-1-----	Hexachlorobenzene	3800	U
1912-24-9-----	Atrazine	3800	U
87-86-5-----	Pentachlorophenol	9300	U
85-01-8-----	Phenanthrene	240	J
120-12-7-----	Anthracene	3800	U
86-74-8-----	Carbazole	3800	U
84-74-2-----	Di-n-butyl phthalate	3800	U
206-44-0-----	Fluoranthene	500	J
129-00-0-----	Pyrene	540	J
85-68-7-----	Butyl benzyl phthalate	3800	U
91-94-1-----	3,3'-Dichlorobenzidine	3800	U
56-55-3-----	Benzo (a) anthracene	220	J
218-01-9-----	Chrysene	260	J
117-81-7-----	Bis(2-ethylhexyl) phthalate	3800	U
117-84-0-----	Di-n-octyl phthalate	3800	U
205-99-2-----	Benzo (b) fluoranthene	360	J
207-08-9-----	Benzo (k) fluoranthene	3800	U
50-32-8-----	Benzo (a) pyrene	260	J
193-39-5-----	Indeno (1,2,3-cd) pyrene	190	J
53-70-3-----	Dibenzo (a,h) anthracene	3800	U

ASP 2000- METHOD 8270 SEMIVOLATILES
ANALYSIS DATA SHEET

88/1622

Client No.

TP-48

Lab Name: STL Buffalo Contract: _____

Lab Code: RECN Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) SOIL Lab Sample ID: A5C23408

Sample wt/vol: 30.24 (g/mL) G Lab File ID: V12365.RR

Level: (low/med) LOW Date Samp/Recv: 10/26/2005 10/28/2005

% Moisture: 57 decanted: (Y/N) N Date Extracted: 10/30/2005

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 11/11/2005

Injection Volume: 2.00 (uL) Dilution Factor: 5.00

GPC Cleanup: (Y/N) N pH: 6.4

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/KG	Q
191-24-2-----	Benzo (ghi) perylene	230	J	

ASP 2000- METHOD 8270 SEMIVOLATILES
TENTATIVELY IDENTIFIED COMPOUNDS

89/1622

Client No.

TP-48

Lab Name: STL Buffalo Contract: _____

Lab Code: REONY Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) SOIL Lab Sample ID: A5C23408

Sample wt/vol: 30.24 (g/mL) G Lab File ID: V12365.RR

Level: (low/med) LOW Date Samp/Recv: 10/26/2005 10/28/2005

% Moisture: 57.2 decanted: (Y/N) N Date Extracted: 10/30/2005

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 11/11/2005

Injection Volume: 2.00 (uL) Dilution Factor: 5.00

GPC Cleanup: (Y/N) N pH: 6.4

Number TICs found: 6

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

CAS NO.	Compound Name	RT	Est. Conc.	Q
1. 100027-91-0	HEPTAFLUOROEBUTANOIC ACID,HEP	15.69	2100	JN
2. 1599-67-3	1-DOCOSENE	16.25	2800	JN
3. 83-47-6	.GAMMA.-SITOSTEROL	18.57	1500	JN
4.	UNKNOWN	18.64	1500	J
5.	UNKNOWN	18.69	810	J
6.	UNKNOWN	19.99	1500	J

ASP 2000- METHOD 8270 SEMIVOLATILES
ANALYSIS DATA SHEET

90/1622

Client No.

TP-49

Lab Name: STL Buffalo

Contract: _____

Lab Code: RECNY

Case No.: _____

SAS No.: _____

SDG No.: _____

Matrix: (soil/water) SOIL

Lab Sample ID: A5C23409

Sample wt/vol: 30.95 (g/mL) G

Lab File ID: V12366.RR

Level: (low/med) LOW

Date Samp/Recv: 10/27/2005 10/28/2005

% Moisture: 49 decanted: (Y/N) N

Date Extracted: 10/30/2005

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 11/11/2005

Injection Volume: 2.00 (uL)

Dilution Factor: 5.00

GPC Cleanup: (Y/N) N pH: 6.6

CONCENTRATION UNITS:

CAS NO.

COMPOUND

(ug/L or ug/Kg)

UG/KG

Q

100-52-7-----	Benzaldehyde	3200	U
108-95-2-----	Phenol	3200	U
111-44-4-----	Bis(2-chloroethyl) ether	3200	U
95-57-8-----	2-Chlorophenol	3200	U
95-48-7-----	2-Methylphenol	3200	U
108-60-1-----	2,2'-Oxybis(1-Chloropropane)	3200	U
98-86-2-----	Acetophenone	3200	U
106-44-5-----	4-Methylphenol	3200	U
621-64-7-----	N-Nitroso-Di-n-propylamine	3200	U
67-72-1-----	Hexachloroethane	3200	U
98-95-3-----	Nitrobenzene	3200	U
78-59-1-----	Isophorone	3200	U
88-75-5-----	2-Nitrophenol	3200	U
105-67-9-----	2,4-Dimethylphenol	3200	U
111-91-1-----	Bis(2-chloroethoxy) methane	3200	U
120-83-2-----	2,4-Dichlorophenol	3200	U
91-20-3-----	Naphthalene	3200	U
106-47-8-----	4-Chloroaniline	3200	U
87-68-3-----	Hexachlorobutadiene	3200	U
105-60-2-----	Caprolactam	3200	U
59-50-7-----	4-Chloro-3-methylphenol	3200	U
91-57-6-----	2-Methylnaphthalene	170	J
77-47-4-----	Hexachlorocyclopentadiene	3200	U
88-06-2-----	2,4,6-Trichlorophenol	3200	U
95-95-4-----	2,4,5-Trichlorophenol	3200	U
92-52-4-----	Biphenyl	3200	U
91-58-7-----	2-Chloronaphthalene	3200	U
88-74-4-----	2-Nitroaniline	7600	U
131-11-3-----	Dimethyl phthalate	3200	U
208-96-8-----	Acenaphthylene	290	J
606-20-2-----	2,6-Dinitrotoluene	3200	U
99-09-2-----	3-Nitroaniline	7600	U

ASP 2000- METHOD 8270 SEMIVOLATILES
ANALYSIS DATA SHEET

91/1622

Client No.

TP-49

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) SOIL Lab Sample ID: A5C23409

Sample wt/vol: 30.95 (g/mL) G Lab File ID: V12366.RR

Level: (low/med) LOW Date Samp/Recv: 10/27/2005 10/28/2005

% Moisture: 49 decanted: (Y/N) N Date Extracted: 10/30/2005

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 11/11/2005

Injection Volume: 2.00 (uL) Dilution Factor: 5.00

GPC Cleanup: (Y/N) N pH: 6.6

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/KG Q

83-32-9-----	Acenaphthene	3200	U
51-28-5-----	2,4-Dinitrophenol	7600	U
100-02-7-----	4-Nitrophenol	7600	U
132-64-9-----	Dibenzofuran	3200	U
121-14-2-----	2,4-Dinitrotoluene	3200	U
84-66-2-----	Diethyl phthalate	3200	U
7005-72-3-----	4-Chlorophenyl phenyl ether	3200	U
86-73-7-----	Fluorene	140	J
100-01-6-----	4-Nitroaniline	7600	U
534-52-1-----	4,6-Dinitro-2-methylphenol	7600	U
86-30-6-----	N-nitrosodiphenylamine	3200	U
101-55-3-----	4-Bromophenyl phenyl ether	3200	U
118-74-1-----	Hexachlorobenzene	3200	U
1912-24-9-----	Atrazine	3200	U
87-86-5-----	Pentachlorophenol	7600	U
85-01-8-----	Phenanthrene	580	J
120-12-7-----	Anthracene	210	J
86-74-8-----	Carbazole	3200	U
84-74-2-----	Di-n-butyl phthalate	3200	U
206-44-0-----	Fluoranthene	600	J
129-00-0-----	Pyrene	730	J
85-68-7-----	Butyl benzyl phthalate	3200	U
91-94-1-----	3,3'-Dichlorobenzidine	3200	U
56-55-3-----	Benzo (a) anthracene	260	J
218-01-9-----	Chrysene	370	J
117-81-7-----	Bis(2-ethylhexyl) phthalate	710	BJU
117-84-0-----	Di-n-octyl phthalate	3200	U
205-99-2-----	Benzo (b) fluoranthene	440	J
207-08-9-----	Benzo (k) fluoranthene	170	J
50-32-8-----	Benzo (a) pyrene	290	J
193-39-5-----	Indeno (1,2,3-cd) pyrene	250	J
53-70-3-----	Dibenzo (a, h) anthracene	120	J

ASP 2000- METHOD 8270 SEMIVOLATILES
ANALYSIS DATA SHEET

92/1622

Client No.

TP-49

Lab Name: STL Buffalo

Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) SOIL

Lab Sample ID: A5C23409

Sample wt/vol: 30.95 (g/mL) G

Lab File ID: V12366.RR

Level: (low/med) LOW

Date Samp/Recv: 10/27/2005 10/28/2005

% Moisture: 49 decanted: (Y/N) N

Date Extracted: 10/30/2005

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 11/11/2005

Injection Volume: 2.00 (uL)

Dilution Factor: 5.00

GPC Cleanup: (Y/N) N pH: 6.6

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/KG Q

191-24-2-----	Benzo (ghi) perylene	320	J
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ASP 2000- METHOD 8270 SEMIVOLATILES
TENTATIVELY IDENTIFIED COMPOUNDS

93/1622

Client No.

TP-49

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) SOIL Lab Sample ID: A5C23409

Sample wt/vol: 30.95 (g/mL) G Lab File ID: V12366.RR

Level: (low/med) LOW Date Samp/Recv: 10/27/2005 10/28/2005

% Moisture: 49.3 decanted: (Y/N) N Date Extracted: 10/30/2005

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 11/11/2005

Injection Volume: 2.00 (uL) Dilution Factor: 5.00

GPC Cleanup: (Y/N) N pH: 6.6

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

Number TICs found: 20

CAS NO.	Compound Name	RT	Est. Conc.	Q
1. 54676-39-0	CYCLOHEXANE, 2-BUTYL-1,1,3-TR	8.88	1200	JN
2.	UNKNOWN CYCLOHEXANE DER.	9.04	1000	J
3.	UNKNOWN HYDROCARBON	9.27	3100	J
4.	UNKNOWN	9.38	840	J
5. 90-12-0	1-METHYLNAPHTHALENE	9.76	850	JN
6.	UNKNOWN CYCLOHEXANE DER.	9.95	980	J
7.	DIMETHYLNAPHTHALENE ISOMER	10.66	790	J
8.	UNKNOWN	10.72	1700	J
9.	UNKNOWN CYCLOHEXANE DER.	10.81	820	J
10. 80655-44-3	DECAHYDRO-4,4,8,9,10-PENTAME	11.03	3400	JN
11.	UNKNOWN	11.23	1400	J
12.	UNKNOWN HYDROCARBON	11.65	1700	J
13.	UNKNOWN	11.77	2300	J
14.	UNKNOWN HYDROCARBON	12.23	6400	J
15. 483-78-3	NAPHTHALENE, 1,6-DIMETHYL-4-(12.51	3400	JN
16. 529-05-5	7-ETHYL-1,4-DIMETHYL-AZULENE	12.89	5200	JN
17.	UNKNOWN	16.96	1800	J
18.	UNKNOWN	17.19	3300	J
19.	UNKNOWN PAH DER.	17.62	9200	J
20.	UNKNOWN PAH DER.	17.94	6300	J

ASP 2000- METHOD 8270 SEMIVOLATILES
ANALYSIS DATA SHEET

94/1622

Client No.

TP-53

Lab Name: STL Buffalo

Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) SOIL

Lab Sample ID: A5C23410

Sample wt/vol: 30.71 (g/mL) G

Lab File ID: V12367.RR

Level: (low/med) LOW

Date Samp/Recv: 10/27/2005 10/28/2005

% Moisture: 66 decanted: (Y/N) N

Date Extracted: 10/30/2005

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 11/11/2005

Injection Volume: 2.00 (uL)

Dilution Factor: 5.00

GPC Cleanup: (Y/N) N pH: 6.2

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/KG Q

100-52-7-----	Benzaldehyde	4800	U
108-95-2-----	Phenol	4800	U
111-44-4-----	Bis(2-chloroethyl) ether	4800	U
95-57-8-----	2-Chlorophenol	4800	U
95-48-7-----	2-Methylphenol	4800	U
108-60-1-----	2,2'-Oxybis(1-Chloropropane)	4800	U
98-86-2-----	Acetophenone	4800	U
106-44-5-----	4-Methylphenol	4800	U
621-64-7-----	N-Nitroso-Di-n-propylamine	4800	U
67-72-1-----	Hexachloroethane	4800	U
98-95-3-----	Nitrobenzene	4800	U
78-59-1-----	Isophorone	4800	U
88-75-5-----	2-Nitrophenol	4800	U
105-67-9-----	2,4-Dimethylphenol	4800	U
111-91-1-----	Bis(2-chloroethoxy) methane	4800	U
120-83-2-----	2,4-Dichlorophenol	4800	U
91-20-3-----	Naphthalene	4800	U
106-47-8-----	4-Chloroaniline	4800	U
87-68-3-----	Hexachlorobutadiene	4800	U
105-60-2-----	Caprolactam	4800	U
59-50-7-----	4-Chloro-3-methylphenol	4800	U
91-57-6-----	2-Methylnaphthalene	4800	U
77-47-4-----	Hexachlorocyclopentadiene	4800	U
88-06-2-----	2,4,6-Trichlorophenol	4800	U
95-95-4-----	2,4,5-Trichlorophenol	4800	U
92-52-4-----	Biphenyl	4800	U
91-58-7-----	2-Chloronaphthalene	4800	U
88-74-4-----	2-Nitroaniline	12000	U
131-11-3-----	Dimethyl phthalate	4800	U
208-96-8-----	Acenaphthylene	4800	U
606-20-2-----	2,6-Dinitrotoluene	4800	U
99-09-2-----	3-Nitroaniline	12000	U

ASP 2000- METHOD 8270 SEMIVOLATILES
ANALYSIS DATA SHEET

95/1622

Client No.

TP-53

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) SOIL Lab Sample ID: A5C23410

Sample wt/vol: 30.71 (g/mL) G Lab File ID: V12367.RR

Level: (low/med) LOW Date Samp/Recv: 10/27/2005 10/28/2005

% Moisture: 66 decanted: (Y/N) N Date Extracted: 10/30/2005

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 11/11/2005

Injection Volume: 2.00 (uL) Dilution Factor: 5.00

GPC Cleanup: (Y/N) N pH: 6.2

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/KG	Q
83-32-9	Acenaphthene	4800	U	
51-28-5	2,4-Dinitrophenol	12000	U	
100-02-7	4-Nitrophenol	12000	U	
132-64-9	Dibenzofuran	4800	U	
121-14-2	2,4-Dinitrotoluene	4800	U	
84-66-2	Diethyl phthalate	4800	U	
7005-72-3	4-Chlorophenyl phenyl ether	4800	U	
86-73-7	Fluorene	4800	U	
100-01-6	4-Nitroaniline	12000	U	
534-52-1	4,6-Dinitro-2-methylphenol	12000	U	
86-30-6	N-nitrosodiphenylamine	4800	U	
101-55-3	4-Bromophenyl phenyl ether	4800	U	
118-74-1	Hexachlorobenzene	4800	U	
1912-24-9	Atrazine	4800	U	
87-86-5	Pentachlorophenol	12000	U	
85-01-8	Phenanthrene	160	J	
120-12-7	Anthracene	4800	U	
86-74-8	Carbazole	4800	U	
84-74-2	Di-n-butyl phthalate	4800	U	
206-44-0	Fluoranthene	410	J	
129-00-0	Pyrene	300	J	
85-68-7	Butyl benzyl phthalate	4800	U	
91-94-1	3,3'-Dichlorobenzidine	4800	U	
56-55-3	Benzo (a) anthracene	200	J	
218-01-9	Chrysene	190	J	
117-81-7	Bis(2-ethylhexyl) phthalate	380	BJ	
117-84-0	Di-n-octyl phthalate	4800	U	
205-99-2	Benzo (b) fluoranthene	310	J	
207-08-9	Benzo (k) fluoranthene	4800	U	
50-32-8	Benzo (a) pyrene	240	J	
193-39-5	Indeno (1,2,3-cd) pyrene	180	J	
53-70-3	Dibenzo (a,h) anthracene	4800	U	

ASP 2000- METHOD 8270 SEMIVOLATILES
ANALYSIS DATA SHEET

96/1622

Client No.

TP-53

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) SOIL Lab Sample ID: A5C23410

Sample wt/vol: 30.71 (g/mL) G Lab File ID: V12367.RR

Level: (low/med) LOW Date Samp/Recv: 10/27/2005 10/28/2005

% Moisture: 66 decanted: (Y/N) N Date Extracted: 10/30/2005

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 11/11/2005

Injection Volume: 2.00 (uL) Dilution Factor: 5.00

GPC Cleanup: (Y/N) N pH: 6.2

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/KG	Q
191-24-2-----	Benzo(ghi)perylene	180	J	

ASP 2000- METHOD 8270 SEMIVOLATILES
TENTATIVELY IDENTIFIED COMPOUNDS

97/1622

Client No.

TP-53

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) SOIL Lab Sample ID: A5C23410

Sample wt/vol: 30.71 (g/mL) G Lab File ID: V12367.RR

Level: (low/med) LOW Date Samp/Recv: 10/27/2005 10/28/2005

% Moisture: 66.1 decanted: (Y/N) N Date Extracted: 10/30/2005

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 11/11/2005

Injection Volume: 2.00 (uL) Dilution Factor: 5.00

GPC Cleanup: (Y/N) N pH: 6.2

Number TICs found: 18

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

CAS NO.	Compound Name	RT	Est. Conc.	Q
1.	UNKNOWN HYDROCARBON	12.72	1000	J
2. 19078-37-6	1-NAPHTHALENEMETHANOL, 1,4,4A	13.12	1300	JN
3.	UNKNOWN	13.33	3000	J
4.	UNKNOWN	13.78	1500	J
5.	UNKNOWN	14.21	1700	J
6.	UNKNOWN	15.39	3200	J
7.	UNKNOWN	15.57	2000	J
8.	UNKNOWN	15.65	3000	J
9. 18435-45-5	1-NONADECENE	15.69	7300	JN
10. 56221-91-1	13-TETRADECEN-1-OL ACETATE	16.82	1400	JN
11.	UNKNOWN	17.96	1700	J
12. 83-47-6	.GAMMA.SITOSTEROL	18.57	3300	JN
13.	UNKNOWN	18.64	7200	J
14.	UNKNOWN	18.84	1700	J
15.	UNKNOWN	18.97	14000	J
16.	UNKNOWN	19.13	3700	J
17.	UNKNOWN	19.88	6500	J
18.	UNKNOWN	20.00	10000	J

ASP 2000- METHOD 8270 SEMIVOLATILES
ANALYSIS DATA SHEET

98/1622

Client No.

TP-55

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) SOIL Lab Sample ID: A5C23411

Sample wt/vol: 30.71 (g/mL) G Lab File ID: V12368.RR

Level: (low/med) LOW Date Samp/Recv: 10/27/2005 10/28/2005

% Moisture: 53 decanted: (Y/N) N Date Extracted: 10/30/2005

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 11/11/2005

Injection Volume: 2.00 (uL) Dilution Factor: 5.00

GPC Cleanup: (Y/N) N pH: 6.2

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/KG Q

100-52-7	Benzaldehyde	3400	U
108-95-2	Phenol	3400	U
111-44-4	Bis(2-chloroethyl) ether	3400	U
95-57-8	2-Chlorophenol	3400	U
95-48-7	2-Methylphenol	3400	U
108-60-1	2,2'-Oxybis(1-Chloropropane)	3400	U
98-86-2	Acetophenone	3400	U
106-44-5	4-Methylphenol	3400	U
621-64-7	N-Nitroso-Di-n-propylamine	3400	U
67-72-1	Hexachloroethane	3400	U
98-95-3	Nitrobenzene	3400	U
78-59-1	Isophorone	3400	U
88-75-5	2-Nitrophenol	3400	U
105-67-9	2,4-Dimethylphenol	3400	U
111-91-1	Bis(2-chloroethoxy) methane	3400	U
120-83-2	2,4-Dichlorophenol	3400	U
91-20-3	Naphthalene	3400	U
106-47-8	4-Chloroaniline	3400	U
87-68-3	Hexachlorobutadiene	3400	U
105-60-2	Caprolactam	3400	U
59-50-7	4-Chloro-3-methylphenol	3400	U
91-57-6	2-Methylnaphthalene	3400	U
77-47-4	Hexachlorocyclopentadiene	3400	U
88-06-2	2,4,6-Trichlorophenol	3400	U
95-95-4	2,4,5-Trichlorophenol	3400	U
92-52-4	Biphenyl	3400	U
91-58-7	2-Chloronaphthalene	3400	U
88-74-4	2-Nitroaniline	8300	U
131-11-3	Dimethyl phthalate	3400	U
208-96-8	Acenaphthylene	3400	U
606-20-2	2,6-Dinitrotoluene	3400	U
99-09-2	3-Nitroaniline	8300	U

ASP 2000- METHOD 8270 SEMIVOLATILES
ANALYSIS DATA SHEET

99/1622

Client No.

TP-55

Lab Name: STL Buffalo

Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) SOIL

Lab Sample ID: A5C23411

Sample wt/vol: 30.71 (g/mL) G

Lab File ID: V12368.RR

Level: (low/med) LOW

Date Samp/Recv: 10/27/2005 10/28/2005

% Moisture: 53 decanted: (Y/N) N

Date Extracted: 10/30/2005

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 11/11/2005

Injection Volume: 2.00 (uL)

Dilution Factor: 5.00

GPC Cleanup: (Y/N) N pH: 6.2

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/KG Q

83-32-9-----	Acenaphthene	3400	U
51-28-5-----	2,4-Dinitrophenol	8300	U
100-02-7-----	4-Nitrophenol	8300	U
132-64-9-----	Dibenzofuran	3400	U
121-14-2-----	2,4-Dinitrotoluene	3400	U
84-66-2-----	Diethyl phthalate	3400	U
7005-72-3-----	4-Chlorophenyl phenyl ether	3400	U
86-73-7-----	Fluorene	3400	U
100-01-6-----	4-Nitroaniline	8300	U
534-52-1-----	4,6-Dinitro-2-methylphenol	8300	U
86-30-6-----	N-nitrosodiphenylamine	3400	U
101-55-3-----	4-Bromophenyl phenyl ether	3400	U
118-74-1-----	Hexachlorobenzene	3400	U
1912-24-9-----	Atrazine	3400	U
87-86-5-----	Pentachlorophenol	8300	U
85-01-8-----	Phenanthrene	140	J
120-12-7-----	Anthracene	3400	U
86-74-8-----	Carbazole	3400	U
84-74-2-----	Di-n-butyl phthalate	3400	U
206-44-0-----	Fluoranthene	250	J
129-00-0-----	Pyrene	190	J
85-68-7-----	Butyl benzyl phthalate	3400	U
91-94-1-----	3,3'-Dichlorobenzidine	3400	U
56-55-3-----	Benzo(a)anthracene	3400	U
218-01-9-----	Chrysene	150	J
117-81-7-----	Bis(2-ethylhexyl) phthalate	360	BJ U
117-84-0-----	Di-n-octyl phthalate	3400	U
205-99-2-----	Benzo(b)fluoranthene	200	J
207-08-9-----	Benzo(k)fluoranthene	3400	U
50-32-8-----	Benzo(a)pyrene	130	J
193-39-5-----	Indeno(1,2,3-cd)pyrene	110	J
53-70-3-----	Dibenzo(a,h)anthracene	3400	U

ASP 2000- METHOD 8270 SEMIVOLATILES
ANALYSIS DATA SHEET

100/1622

Client No.

TP-55

Lab Name: STL Buffalo Contract: _____

Lab Code: RECN Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) SOIL Lab Sample ID: A5C23411

Sample wt/vol: 30.71 (g/mL) G Lab File ID: V12368.RR

Level: (low/med) LOW Date Samp/Recv: 10/27/2005 10/28/2005

% Moisture: 53 decanted: (Y/N) N Date Extracted: 10/30/2005

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 11/11/2005

Injection Volume: 2.00 (uL) Dilution Factor: 5.00

GPC Cleanup: (Y/N) N pH: 6.2

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/KG	Q
191-24-2-----	Benzo(ghi)perylene		120	J

ASP 2000- METHOD 8270 SEMIVOLATILES
TENTATIVELY IDENTIFIED COMPOUNDS

101/1622

Client No.

TP-55

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) SOIL Lab Sample ID: A5C23411

Sample wt/vol: 30.71 (g/mL) G Lab File ID: V12368.RR

Level: (low/med) LOW Date Samp/Recv: 10/27/2005 10/28/2005

% Moisture: 52.8 decanted: (Y/N) N Date Extracted: 10/30/2005

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 11/11/2005

Injection Volume: 2.00 (uL) Dilution Factor: 5.00

GPC Cleanup: (Y/N) N pH: 6.2

Number TICs found: 8

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

CAS NO.	Compound Name	RT	Est. Conc.	Q
1.	UNKNOWN	13.33	1000	J
2.	UNKNOWN PAH DER.	14.98	1400	J
3. 18835-32-0	1-TRICOSENE	15.69	4600	JN
4. 83-46-5	.BETA.-SITOSTEROL	18.57	1500	JN
5. 19466-47-8	STIGMASTANOL	18.64	2700	JN
6.	UNKNOWN	18.84	1300	J
7.	UNKNOWN	18.97	1200	J
8. 559-74-0	FRIEDELAN-3-ONE	20.00	3400	JN

ASP 2000- METHOD 8270 SEMIVOLATILES
ANALYSIS DATA SHEET

102/1622

Client No.

TP-58

Lab Name: STL Buffalo

Contract: _____

Lab Code: RECNY

Case No.: _____

SAS No.: _____

SDG No.: _____

Matrix: (soil/water) SOIL

Lab Sample ID: A5C23412

Sample wt/vol: 30.35 (g/mL) G

Lab File ID: V12369.RR

Level: (low/med) LOW

Date Samp/Recv: 10/27/2005 10/28/2005

% Moisture: 16 decanted: (Y/N) N

Date Extracted: 10/30/2005

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 11/11/2005

Injection Volume: 2.00 (uL)

Dilution Factor: 5.00

GPC Cleanup: (Y/N) N pH: 7.7

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/KG Q

100-52-7-----	Benzaldehyde	1900	U
108-95-2-----	Phenol	1900	U
111-44-4-----	Bis(2-chloroethyl) ether	1900	U
95-57-8-----	2-Chlorophenol	1900	U
95-48-7-----	2-Methylphenol	1900	U
108-60-1-----	2,2'-Oxybis(1-Chloropropane)	1900	U
98-86-2-----	Acetophenone	1900	U
106-44-5-----	4-Methylphenol	1900	U
621-64-7-----	N-Nitroso-Di-n-propylamine	1900	U
67-72-1-----	Hexachloroethane	1900	U
98-95-3-----	Nitrobenzene	1900	U
78-59-1-----	Isophorone	1900	U
88-75-5-----	2-Nitrophenol	1900	U
105-67-9-----	2,4-Dimethylphenol	1900	U
111-91-1-----	Bis(2-chloroethoxy) methane	1900	U
120-83-2-----	2,4-Dichlorophenol	1900	U
91-20-3-----	Naphthalene	1900	U
106-47-8-----	4-Chloroaniline	1900	U
87-68-3-----	Hexachlorobutadiene	1900	U
105-60-2-----	Caprolactam	1900	U
59-50-7-----	4-Chloro-3-methylphenol	1900	U
91-57-6-----	2-Methylnaphthalene	1900	U
77-47-4-----	Hexachlorocyclopentadiene	1900	U
88-06-2-----	2,4,6-Trichlorophenol	1900	U
95-95-4-----	2,4,5-Trichlorophenol	1900	U
92-52-4-----	Biphenyl	1900	U
91-58-7-----	2-Chloronaphthalene	1900	U
88-74-4-----	2-Nitroaniline	4700	U
131-11-3-----	Dimethyl phthalate	1900	U
208-96-8-----	Acenaphthylene	1900	U
606-20-2-----	2,6-Dinitrotoluene	1900	U
99-09-2-----	3-Nitroaniline	4700	U

ASP 2000- METHOD 8270 SEMIVOLATILES
ANALYSIS DATA SHEET

103/1622

Client No.

TP-58

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) SOIL Lab Sample ID: A5C23412

Sample wt/vol: 30.35 (g/mL) G Lab File ID: V12369.RR

Level: (low/med) LOW Date Samp/Recv: 10/27/2005 10/28/2005

% Moisture: 16 decanted: (Y/N) N Date Extracted: 10/30/2005

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 11/11/2005

Injection Volume: 2.00 (uL) Dilution Factor: 5.00

GPC Cleanup: (Y/N) N pH: 7.7

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/KG Q

83-32-9-----	Acenaphthene	1900	U
51-28-5-----	2,4-Dinitrophenol	4700	U
100-02-7-----	4-Nitrophenol	4700	U
132-64-9-----	Dibenzofuran	1900	U
121-14-2-----	2,4-Dinitrotoluene	1900	U
84-66-2-----	Diethyl phthalate	1900	U
7005-72-3-----	4-Chlorophenyl phenyl ether	1900	U
86-73-7-----	Fluorene	1900	U
100-01-6-----	4-Nitroaniline	4700	U
534-52-1-----	4,6-Dinitro-2-methylphenol	4700	U
86-30-6-----	N-nitrosodiphenylamine	1900	U
101-55-3-----	4-Bromophenyl phenyl ether	1900	U
118-74-1-----	Hexachlorobenzene	1900	U
1912-24-9-----	Atrazine	1900	U
87-86-5-----	Pentachlorophenol	4700	U
85-01-8-----	Phenanthrene	140	J
120-12-7-----	Anthracene	1900	U
86-74-8-----	Carbazole	1900	U
84-74-2-----	Di-n-butyl phthalate	1900	U
206-44-0-----	Fluoranthene	160	J
129-00-0-----	Pyrene	110	J
85-68-7-----	Butyl benzyl phthalate	1900	U
91-94-1-----	3,3'-Dichlorobenzidine	1900	U
56-55-3-----	Benzo(a)anthracene	1900	U
218-01-9-----	Chrysene	66	J
117-81-7-----	Bis(2-ethylhexyl) phthalate	140	BJU
117-84-0-----	Di-n-octyl phthalate	1900	U
205-99-2-----	Benzo(b)fluoranthene	1900	U
207-08-9-----	Benzo(k)fluoranthene	1900	U
50-32-8-----	Benzo(a)pyrene	1900	U
193-39-5-----	Indeno(1,2,3-cd)pyrene	1900	U
53-70-3-----	Dibenzo(a,h)anthracene	1900	U

ASP 2000- METHOD 8270 SEMIVOLATILES
ANALYSIS DATA SHEET

104/1622

Client No.

TP-58

Lab Name: STL Buffalo

Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) SOIL

Lab Sample ID: A5C23412

Sample wt/vol: 30.35 (g/mL) G

Lab File ID: V12369.RR

Level: (low/med) LOW

Date Samp/Recv: 10/27/2005 10/28/2005

% Moisture: 16 decanted: (Y/N) N

Date Extracted: 10/30/2005

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 11/11/2005

Injection Volume: 2.00 (uL)

Dilution Factor: 5.00

GPC Cleanup: (Y/N) N pH: 7.7

CONCENTRATION UNITS:

(ug/L or ug/Kg) UG/KG Q

CAS NO.	COMPOUND		
191-24-2-----	Benzo(ghi)perylene	1900	U

ASP 2000- METHOD 8270 SEMIVOLATILES
TENTATIVELY IDENTIFIED COMPOUNDS

105/1622

Client No.

TP-58

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) SOIL Lab Sample ID: A5C23412

Sample wt/vol: 30.35 (g/mL) G Lab File ID: VI2369.RR

Level: (low/med) LOW Date Samp/Recv: 10/27/2005 10/28/2005

% Moisture: 15.9 decanted: (Y/N) N Date Extracted: 10/30/2005

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 11/11/2005

Injection Volume: 2.00 (uL) Dilution Factor: 5.00

GPC Cleanup: (Y/N) N pH: 7.7

Number TICs found: 2

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

CAS NO.	Compound Name	RT	Est. Conc.	Q
1. 100028-99-0	18-NORABIETANE	14.13	790	JN
2. 32624-67-2	10,18-BISNORABIETA-8,11-13-T	14.31	560	JN

Delta Environmental Consultants, Inc.

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INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

TP-38

Contract: CN04-015

Lab Code: STLBFO

Case No.:

SAS No.:

SDG NO.: A05-C234

Matrix (soil/water): SOIL

Lab Sample ID: AD563175

Level (low/med): LOW

Date Received: 10/28/2005

% Solids: 80

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7440-38-2	Arsenic	4.0		*	P
7440-41-7	Beryllium	0.19	B		P
7440-43-9	Cadmium	2.2		N* J	P
7440-47-3	Chromium	16.0		N* J	P
7440-50-8	Copper	789		N* J	P
7439-92-1	Lead	29.4		N* J	P
7440-02-0	Nickel	20.1			P
7439-97-6	Mercury	0.020		N J	CV
7440-66-6	Zinc	117		N* J	P

Color Before: BROWN

Clarity Before: CLOUDY

Texture: TOPSOIL

Color After: YELLOW

Clarity After: CLDY/FI

Artifacts:

Comments:

Delta Environmental Consultants, Inc.

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INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

TP-40

Contract: CN04-015

Lab Code: STLBFO

Case No.:

SAS No.:

SDG No.: A05-C234

Matrix (soil/water): SOIL

Lab Sample ID: AD563173

Level (low/med): LOW

Date Received: 10/28/2005

% Solids: 72

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7440-38-2	Arsenic	4.6		*	P
7440-41-7	Beryllium	0.73			P
7440-43-9	Cadmium	20.3		N*	P
7440-47-3	Chromium	24.6		N*	P
7440-50-8	Copper	518		N*	P
7439-92-1	Lead	59.0		N*	P
7440-02-0	Nickel	17.2			P
7439-97-6	Mercury	0.183		N	CV
7440-66-6	Zinc	819		N*	P

Color Before: BROWN

Clarity Before: CLOUDY

Texture: TOPSOIL

Color After: YELLOW

Clarity After: CLDY/ET

Artifacts:

Comments:

Delta Environmental Consultants, Inc.

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INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

TP-42

Contract: CN04-015

Lab Code: STLBFLO

Case No.:

SAS No.:

SDG NO.: A05-C234

Matrix (soil/water): SOIL

Lab Sample ID: AD563174

Level (low/med): LOW

Date Received: 10/28/2005

% Solids: 48

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7440-38-2	Arsenic	10.0		* J	P
7440-41-7	Beryllium	0.39	B	J	P
7440-43-9	Cadmium	11.2		N* J	P
7440-47-3	Chromium	36.4		N* J	P
7440-50-8	Copper	56.3		N* J	P
7439-92-1	Lead	25.2		N* J	P
7440-02-0	Nickel	14.9		J	P
7439-97-6	Mercury	0.314		N J	CV
7440-66-6	Zinc	394		N* J	P

Color Before: BROWN

Clarity Before: CLOUDY

Texture: TOPSOIL

Color After: YELLOW

Clarity After: CLDY/FI

Artifacts:

Comments:

STL BUFFALO

Delta Environmental Consultants, Inc.

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INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

TP-44

Contract: CN04-015

Lab Code: STLBFO

Case No.:

SAS No.:

SDG NO.: A05-C234

Matrix (soil/water): SOIL

Lab Sample ID: AD563178

Level (low/med): LOW

Date Received: 10/28/2005

% Solids: 35

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7440-38-2	Arsenic	13.9		* J	P
7440-41-7	Beryllium	0.23	B	J	P
7440-43-9	Cadmium	2.2		N* J	P
7440-47-3	Chromium	38.6		N* J	P
7440-50-8	Copper	68.2		N* J	P
7439-92-1	Lead	14.0		N* J	P
7440-02-0	Nickel	18.8		J	P
7439-97-6	Mercury	0.195		N J	CV
7440-66-6	Zinc	51.5		N* J	P

Color Before: BROWN

Clarity Before: CLOUDY

Texture: TOPSOIL

Color After: YELLOW

Clarity After: CLDY/FI

Artifacts:

Comments:

Delta Environmental Consultants, Inc.

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INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

TP-45

Contract: CN04-015

Lab Code: STLBFLO

Case No.:

SAS No.:

SDG NO.: A05-C234

Matrix (soil/water): SOIL

Lab Sample ID: AD563176

Level (low/med): LOW

Date Received: 10/28/2005

% Solids: 46

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7440-38-2	Arsenic	9.3		* J	P
7440-41-7	Beryllium	0.76	B	J	P
7440-43-9	Cadmium	6.0		N* J	P
7440-47-3	Chromium	41.2		N* J	P
7440-50-8	Copper	86.9		N* J	P
7439-92-1	Lead	32.4		N* J	P
7440-02-0	Nickel	24.7		J	P
7439-97-6	Mercury	0.677		N J	CV
7440-66-6	Zinc	171		N* J	P

Color Before: BROWN

Clarity Before: CLOUDY

Texture: TOPSOIL

Color After: YELLOW

Clarity After: CLDY/FI

Artifacts:

Comments:

STL BUFFALO

Delta Environmental Consultants, Inc.

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INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

TP-45-1

Contract: CN04-015

Lab Code: STLBFO

Case No.:

SAS No.:

SDG NO.: A05-C234

Matrix (soil/water): SOIL

Lab Sample ID: AD563177

Level (low/med): LOW

Date Received: 10/28/2005

% Solids: 48

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7440-38-2	Arsenic	8.0		* J	P
7440-41-7	Beryllium	0.47	B	J	P
7440-43-9	Cadmium	8.5		N* J	P
7440-47-3	Chromium	46.7		N* J	P
7440-50-8	Copper	94.0		N* J	P
7439-92-1	Lead	38.8		N* J	P
7440-02-0	Nickel	25.6		J	P
7439-97-6	Mercury	0.494		N J	CV
7440-66-6	Zinc	215		N* J	P

Color Before: BROWN

Clarity Before: CLOUDY

Texture: TOPSOIL

Color After: YELLOW

Clarity After: CLDY/FI

Artifacts:

Comments:

Delta Environmental Consultants, Inc.

-1-

INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

TP-48

Contract: CN04-015

Lab Code: STLBFO

Case No.:

SAS No.:

SDG NO.: A05-C234

Matrix (soil/water): SOIL

Lab Sample ID: AD563182

Level (low/med): LOW

Date Received: 10/28/2005

% Solids: 43

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7440-38-2	Arsenic	6.6		* J	P
7440-41-7	Beryllium	0.73	B	J	P
7440-43-9	Cadmium	3.0		N* J	P
7440-47-3	Chromium	37.0		N* J	P
7440-50-8	Copper	53.5		N* J	P
7439-92-1	Lead	20.1		N* J	P
7440-02-0	Nickel	19.8		J	P
7439-97-6	Mercury	0.277		N J	CV
7440-66-6	Zinc	80.1		N* J	P

Color Before: BROWN

Clarity Before: CLOUDY

Texture: TOPSOIL

Color After: YELLOW

Clarity After: CLDY/FI

Artifacts:

Comments:

Delta Environmental Consultants, Inc.

-1-

INORGANIC ANALYSIS DATA SHEET

SAMPLE NO. .

TP-49

Contract: CN04-015

Lab Code: STLBFO

Case No.:

SAS No.:

SDG NO.: A05-C234

Matrix (soil/water): SOIL

Lab Sample ID: AD563183

Level (low/med): LOW

Date Received: 10/28/2005

% Solids: 51

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7440-38-2	Arsenic	6.1		*	P
7440-41-7	Beryllium	0.78	B		P
7440-43-9	Cadmium	867		N* J	P
7440-47-3	Chromium	1170		N* J	P
7440-50-8	Copper	92.4		N* J	P
7439-92-1	Lead	132		N* J	P
7440-02-0	Nickel	98.1			P
7439-97-6	Mercury	0.826		N J	CV
7440-66-6	Zinc	2770		N* J	P

Color Before: BROWN

Clarity Before: CLOUDY

Texture: TOPSOIL

Color After: YELLOW

Clarity After: CLDY/FI

Artifacts:

Comments:

Delta Environmental Consultants, Inc.

-1-

INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

TP-53

Contract: CN04-015

Lab Code: STLBFO

Case No.:

SAS No.:

SDG NO.: A05-C234

Matrix (soil/water): SOIL

Lab Sample ID: AD563184

Level (low/med): LOW

Date Received: 10/28/2005

% Solids: 34

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7440-38-2	Arsenic	15.8		* J	P
7440-41-7	Beryllium	0.80	B	J	P
7440-43-9	Cadmium	53.0		N* J	P
7440-47-3	Chromium	60.4		N* J	P
7440-50-8	Copper	101		N* J	P
7439-92-1	Lead	219		N* J	P
7440-02-0	Nickel	38.8		J	P
7439-97-6	Mercury	1.8		N J	CV
7440-66-6	Zinc	866		N* J	P

Color Before: BROWN

Clarity Before: CLOUDY

Texture: TOPSOIL

Color After: YELLOW

Clarity After: CLDY/FI

Artifacts:

Comments:

Delta Environmental Consultants, Inc.

-1-

INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

TP-55

Contract: CN04-015

Lab Code: STLBFO

Case No.:

SAS No.:

SDG NO.: A05-C234

Matrix (soil/water): SOIL

Lab Sample ID: AD563185

Level (low/med): LOW

Date Received: 10/28/2005

% Solids: 47

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7440-38-2	Arsenic	9.9		* J	P
7440-41-7	Beryllium	0.92	B	J	P
7440-43-9	Cadmium	6.2		N* J	P
7440-47-3	Chromium	29.3		N* J	P
7440-50-8	Copper	56.6		N* J	P
7439-92-1	Lead	98.4		N* J	P
7440-02-0	Nickel	15.1		J	P
7439-97-6	Mercury	2.0		N J	CV
7440-66-6	Zinc	113		N* J	P

Color Before: BROWN

Clarity Before: CLOUDY

Texture: TOPSOIL

Color After: YELLOW

Clarity After: CLDY/FI

Artifacts:

Comments:

Delta Environmental Consultants, Inc.

-1-

INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

TP-58

Contract: CN04-015

Lab Code: STLBFO

Case No.:

SAS No.:

SDG NO.: A05-C234

Matrix (soil/water): SOIL

Lab Sample ID: AD563186

Level (low/med): LOW

Date Received: 10/28/2005

% Solids: 84

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7440-38-2	Arsenic	1.6		*	P
7440-41-7	Beryllium	0.64			P
7440-43-9	Cadmium	1.6		N* J	P
7440-47-3	Chromium	10.3		N* J	P
7440-50-8	Copper	75.5		N* J	P
7439-92-1	Lead	11.8		N* J	P
7440-02-0	Nickel	6.2			P
7439-97-6	Mercury	0.069		N J	CV
7440-66-6	Zinc	43.7		N* J	P

Color Before: BROWN

Clarity Before: CLOUDY

Texture: TOPSOIL

Color After: YELLOW

Clarity After: CLDY/FI

Artifacts:

Comments:

Wet Chemistry Analysis

117/1622

Client Sample No.

TP-38

Lab Name: STL Buffalo

Contract: _____

Lab Code: REONY

Case No.: _____

SAS No.: _____

SDG No.: _____

Matrix (soil/water): SOILLab Sample ID: A5C23403% Solids: 80.4Date Samp/Recv: 10/26/2005 10/28/2005

Parameter Name	Units of Measure	Result	C	Q	M	Method Number	Analyzed Date
Leachable pH	S.U.	7.80				9045	11/02/2005

Comments:

Wet Chemistry Analysis

118/1622

Client Sample No.

TP-40

Lab Name: STL Buffalo

Contract: _____

Lab Code: RECNY

Case No.: _____

SAS No.: _____

SDG No.: _____

Matrix (soil/water): SOILLab Sample ID: A5C23401% Solids: 72.4Date Samp/Recv: 10/26/2005 10/28/2005

Parameter Name	Units of Measure	Result	C	Q	M	Method Number	Analyzed Date
Leachable pH	S.U.	7.84				9045	11/02/2005

Comments:

Wet Chemistry Analysis

119/1622

Client Sample No.

TP-42

Lab Name: STL Buffalo

Contract: _____

Lab Code: RECNY

Case No.: _____

SAS No.: _____

SDG No.: _____

Matrix (soil/water): SOILLab Sample ID: A5C23402% Solids: 48.1Date Samp/Recv: 10/26/2005 10/28/2005

Parameter Name	Units of Measure	Result	C	Q	M	Method Number	Analyzed Date
Leachable pH	S.U.	6.38				9045	11/02/2005

Comments:

Wet Chemistry Analysis

120/1622

Client Sample No.

TP-44

Lab Name: STL Buffalo

Contract: _____

Lab Code: RECNY

Case No.: _____

SAS No.: _____

SDG No.: _____

Matrix (soil/water): SOILLab Sample ID: A5C23407% Solids: 34.6Date Samp/Recv: 10/26/2005 10/28/2005

Parameter Name	Units of Measure	Result	C	Q	M	Method Number	Analyzed Date
Leachable pH	S.U.	6.28				9045	11/02/2005

Comments:

Wet Chemistry Analysis

121/1622

Client Sample No.

TP-45

Lab Name: STL Buffalo

Contract: _____

Lab Code: RECNY

Case No.: _____

SAS No.: _____

SDG No.: _____

Matrix (soil/water): SOILLab Sample ID: A5C23405% Solids: 45.6Date Samp/Recv: 10/26/2005 10/28/2005

Parameter Name	Units of Measure	Result	C	Q	M	Method Number	Analyzed Date
Leachable pH _____	S.U.	6.47				9045	11/02/2005

Comments:

Wet Chemistry Analysis

122/1622

Client Sample No.

TP-45-1

Lab Name: STL Buffalo

Contract: _____

Lab Code: RECNY

Case No.: _____

SAS No.: _____

SDG No.: _____

Matrix (soil/water): SOILLab Sample ID: A5C23406% Solids: 48.0Date Samp/Recv: 10/26/2005 10/28/2005

Parameter Name	Units of Measure	Result	C	Q	M	Method Number	Analyzed Date
Leachable pH _____	S.U.	6.34				9045	11/02/2005

Comments:

Wet Chemistry Analysis

125/1622

Client Sample No.

TP-53

Lab Name: STL Buffalo

Contract: _____

Lab Code: RECNY

Case No.: _____

SAS No.: _____

SDG No.: _____

Matrix (soil/water): SOILLab Sample ID: A5C23410% Solids: 33.9Date Samp/Recv: 10/27/2005 10/28/2005

Parameter Name	Units of Measure	Result	C	Q	M	Method Number	Analyzed Date
Leachable pH	S.U.	6.24				9045	11/02/2005

Comments:

Wet Chemistry Analysis

126/1622

Client Sample No.

TP-55

Lab Name: STL Buffalo

Contract: _____

Lab Code: RECNY

Case No.: _____

SAS No.: _____

SDG No.: _____

Matrix (soil/water): SOILLab Sample ID: A5C23411% Solids: 47.2Date Samp/Recv: 10/27/2005 10/28/2005

Parameter Name	Units of Measure	Result	C	Q	M	Method Number	Analyzed Date
Leachable pH	S.U.	6.18				9045	11/02/2005

Comments:

Wet Chemistry Analysis

127/1622

Client Sample No.

TP-58

Lab Name: STL Buffalo

Contract: _____

Lab Code: RECONY

Case No.: _____

SAS No.: _____

SDG No.: _____

Matrix (soil/water): SOILLab Sample ID: A5C23412% Solids: 84.1Date Samp/Recv: 10/27/2005 10/28/2005

Parameter Name	Units of Measure	Result	C	Q	M	Method Number	Analyzed Date
Leachable pH	S.U.	7.67				9045	11/02/2005

Comments:

Chain Of Custody Documentation

**Chain of
Custody Record**

**SEVERN
TRENT**

STL

Severn Trent Laboratories, Inc.

STL-4124 (0901)

Client Delta Environmental		Project Manager Mark Schumacher		Date 10/27/05	Chain of Custody Number 214151
Address 101 Jamesville Rd		Telephone Number (Area Code)/Fax Number 315-445-0224		Lab Number	Page 1 of 2

City Syracuse	State NY	Zip Code 13214	Site Contact Same	Lab Contact	Analysis (Attach list if more space is needed)
Project Name and Location (State) Upper Crane Pond NY			Carrier/Waybill Number		

Contract/Purchase Order/Quote No.			Matrix				Containers & Preservatives						Special Instructions/ Conditions of Receipt											
Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Air	Aqueous	Sed.	Soil	Unpres.	H2SO4	HNO3	HCl	NaOH	ZnAc2	NaOH											
TP-40	10/26/05	900				X								X	X	X								ASP 2000 Category B deliverables
TP-42	10/26/05	1150				X								X	X	X								
TP-38	10/26/05	900				X								X	X	X								
TP-44	10/26/05	1330				X								X	X	X								
ms	10/26/05	1400				X								X	X	X								
MSD		1400				X								X	X	X								
TP45		1400				X								X	X	X								
TP45-1		1400				X								X	X	X								
TP-48		1610				X								X	X	X								
TP-49	10/27/05	900				X								X	X	X								
TP-53		1100				X								X	X	X								
TP-55		1145				X								X	X	X								

Possible Hazard Identification	Sample Disposal	(A fee may be assessed if samples are retained longer than 1 month)
<input type="checkbox"/> Non-Hazard <input type="checkbox"/> Flammable <input type="checkbox"/> Skin Irritant <input type="checkbox"/> Poison B <input checked="" type="checkbox"/> Unknown	<input type="checkbox"/> Return To Client <input checked="" type="checkbox"/> Disposal By Lab <input type="checkbox"/> Archive For _____ Months	

Turn Around Time Required	QC Requirements (Specify)
<input type="checkbox"/> 24 Hours <input type="checkbox"/> 48 Hours <input type="checkbox"/> 7 Days <input type="checkbox"/> 14 Days <input checked="" type="checkbox"/> 21 Days <input type="checkbox"/> Other _____	ASP 2000 Category B deliverables

1. Relinquished By [Signature]	Date 10/27/05	Time 1415	1. Received By [Signature]	Date 10/27/05	Time 1415
2. Relinquished By [Signature]	Date 10/27/05	Time 1810	2. Received By [Signature]	Date 10/27/05	Time 1600
3. Relinquished By	Date	Time	3. Received By	Date	Time

Comments: **On metals, only: Arsenic, beryllium, cadmium, chromium, copper, lead, mercury, nickel, zinc**

DISTRIBUTION: WHITE - Returned to Client with Report; CANARY - Stays with the Sample; PINK - Field Copy

1871622

[illegible]

STL

Severn Trent Laboratories, Inc.

Client Delta Environmental		Project Manager Mark Schumacher		Date 10/27/2005	Chain of Custody Number 214149	
Address 104 Janesville Rd		Telephone Number (Area Code)/Fax Number 315 445 0224		Lab Number		Page 2 of 2
City Syracuse	State NY	Zip Code 13214	Site Contact Sam	Lab Contact	Analysts (Attach list if more space is needed)	
Project Name and Location (State) Cooper Crane Hands			Carrier/Waybill Number		<div style="display: flex; justify-content: space-between;"> <div> <div>58260</div> <div>58260</div> <div>58260</div> </div> <div> <div>58260</div> <div>58260</div> <div>58260</div> </div> <div> <div>58260</div> <div>58260</div> <div>58260</div> </div> </div>	
Contract/Purchase Order/Quote No.					Special Instructions/	

[illegible]

Possible Hazard Identification					Sample Disposal					(A fee may be assessed if samples are retained longer than 1 month)
<input type="checkbox"/> Non-Hazard	<input type="checkbox"/> Flammable	<input type="checkbox"/> Skin Irritant	<input type="checkbox"/> Poison B	<input checked="" type="checkbox"/> Unknown	<input type="checkbox"/> Return To Client	<input checked="" type="checkbox"/> Disposal By Lab	<input type="checkbox"/> Archive For _____ Months			

Turn Around Time Required

☐ 24 Hours ☐ 48 Hours ☐ 7 Days ☐ 14 Days ☒ 21 Days ☐ Other _____

QC Requirements (Specify)

ASP 7000 Caterpillar B Lumber

1. Relinquished By <i>James Hill</i>	Date <i>10/27/05</i>	Time <i>1415</i>	1. Received By <i>Hand Chang</i>	Date <i>10/27/05</i>	Time <i>1415</i>
2. Relinquished By <i>Alvin Chen</i>	Date <i>10/27/05</i>	Time <i>1810</i>	2. Received By <i>Alvin Chen</i>	Date <i>10/27/05</i>	Time <i>1810</i>
3. Relinquished By	Date	Time	3. Received By	Date	Time

Comments
An metals, only: { Arsenic, beryllium, cadmium, Chromium, copper, Lead, mercury, nickel, zinc } 20
DISTRIBUTION: WHITE - Returned to Client with Report; CANARY - Stays with the Sample; PINK - Field Copy

188/1622



1/1432
STL®

STL Buffalo
10 Hazelwood Drive, Suite 106
Amherst, NY 14228

Tel: 716 691 2600 Fax: 716 691 7991
www.stl-inc.com

ANALYTICAL REPORT

Job#: A05-D400

STL Project#: NY4A9341

Site Name: Delta Environmental Consultants, Inc.

Task: Cooper site

Mark Schumacher
Delta Environmental
104 Jamesville Rd.
Syracuse, NY 13214

STL Buffalo

Brian J. Fischer
Project Manager

12/14/2005

STL Buffalo

Current Certifications

As of 11/29/2005

STATE	Program	Cert # / Lab ID
AFCEE	AFCEE	
Arkansas	SDWA, CWA, RCRA, SOIL	03-054-D/88-0686
California	NELAP CWA, RCRA	01169CA
Connecticut	SDWA, CWA, RCRA, SOIL	PH-0568
Florida	NELAP CWA, RCRA	E87672
Georgia	SDWA	956
Illinois	NELAP SDWA, CWA, RCRA	200003
Iowa	SW/CS	374
Kansas	NELAP SDWA, CWA, RCRA	E-10187
Kentucky	SDWA	90029
Kentucky UST	UST	30
Louisiana	NELAP CWA, RCRA	2031
Maine	SDWA, CWA	NY044
Maryland	SDWA	294
Massachusetts	SDWA, CWA	M-NY044
Michigan	SDWA	9937
Minnesota	SDWA, CWA, RCRA	036-999-337
New Hampshire	NELAP SDWA, CWA	233701
New Jersey	SDWA, CWA, RCRA, CLP	NY455
New York	NELAP, AIR, SDWA, CWA, RCRA	10026
Oklahoma	CWA, RCRA	9421
Pennsylvania	Env. Lab Reg.	68-281
South Carolina	RCRA	91013
Tennessee	SDWA	02970
USACE	USACE	
USDA	FOREIGN SOIL PERMIT	S-41579
Virginia	SDWA	278
Washington	CWA, RCRA	C254
West Virginia	CWA, RCRA	252
Wisconsin	CWA	998310390

Sample Data Summary Package

SAMPLE SUMMARY

LAB SAMPLE ID	CLIENT SAMPLE ID	MATRIX	SAMPLED		RECEIVED	
			DATE	TIME	DATE	TIME
A5D40001	MW-11A	WATER	11/21/2005	10:30	11/23/2005	11:00
A5D40002	MW-11B	WATER	11/21/2005	11:30	11/23/2005	11:00
A5D40003	MW-11C	WATER	11/21/2005	10:30	11/23/2005	11:00
A5D40006	MW-12A	WATER	11/21/2005	14:50	11/23/2005	11:00
A5D40007	MW-12B	WATER	11/21/2005	16:10	11/23/2005	11:00
A5D40008	MW-2	WATER	11/21/2005	16:50	11/23/2005	11:00
A5D40004	MW-4A	WATER	11/21/2005	12:50	11/23/2005	11:00
A5D40004MS	MW-4A	WATER	11/21/2005	12:50	11/23/2005	11:00
A5D40004SD	MW-4A	WATER	11/21/2005	12:50	11/23/2005	11:00
A5D40005	MW-4B	WATER	11/21/2005	13:30	11/23/2005	11:00
A5D40013	MW-6A	WATER	11/22/2005	12:15	11/23/2005	11:00
A5D40014	MW-6B	WATER	11/22/2005	13:00	11/23/2005	11:00
A5D40009	MW-8A	WATER	11/22/2005	08:50	11/23/2005	11:00
A5D40010	MW-8B	WATER	11/22/2005	10:00	11/23/2005	11:00
A5D40011	MW-9A	WATER	11/22/2005	11:25	11/23/2005	11:00
A5D40012	MW-9B	WATER	11/22/2005	11:40	11/23/2005	11:00
A5D40012MS	MW-9B	WATER	11/22/2005	11:40	11/23/2005	11:00
A5D40012SD	MW-9B	WATER	11/22/2005	11:40	11/23/2005	11:00
A5D40015	TRIP BLANK	WATER	11/22/2005		11/23/2005	11:00

METHODS SUMMARY

Job#: A05-D400STL Project#: NY4A9341Site Name: Delta Environmental Consultants, Inc.

<u>PARAMETER</u>	<u>ANALYTICAL</u>	<u>METHOD</u>
DELTA - AQ - ASP 2000/8260 - TCL VOLATILES	ASP00	8260
ASP 2000 - METHOD 8270 SEMIVOLATILES	ASP00	8270
Cadmium - Total	ASP00	6010
Chromium - Total	ASP00	6010
Lead - Total	ASP00	6010
Selenium - Total	ASP00	6010
Zinc - Total	ASP00	6010
Total Recoverable Phenolics	ASP00	420.2

ASP00 "Analytical Services Protocol", New York State Department of Conservation,
June 2000.

NON-CONFORMANCE SUMMARY

Job#: A05-D400STL Project#: NY4A9341Site Name: Delta Environmental Consultants, Inc.General Comments

The enclosed data may or may not have been reported utilizing data qualifiers (Q) as defined on the Data Comment Page.

Soil, sediment and sludge sample results are reported on "dry weight" basis unless otherwise noted in this data package.

According to 40CFR Part 136.3, pH, Chlorine Residual, Dissolved Oxygen, Sulfite, and Temperature analyses are to be performed immediately after aqueous sample collection. When these parameters are not indicated as field (e.g. pH-Field), they were not analyzed immediately, but as soon as possible after laboratory receipt.

Sample dilutions were performed as indicated on the attached Dilution Log. The rationale for dilution is specified by the 3-digit code and definition.

Sample Receipt Comments

A05-D400

Sample Cooler(s) were received at the following temperature(s); 11@2.0 °C
All samples were received in good condition.

GC/MS Volatile Data

All samples were preserved to a pH less than 2.

The Volatile Holding Blank (VHB(A5D40016)) was not analyzed after all of the samples had been analyzed as per CLP SOW.

For method 8260, the recovery of 1,1-Dichloroethene in sample MW-9B Matrix Spike Duplicate exceeded QC limits. The Matrix Spike Blank recoveries are compliant.

GC/MS Semivolatile Data

The spike recoveries for Pentachlorophenol were above the method defined quality control limits in the Matrix Spike Blank A5B1832702, Matrix Spike MW-4A, Matrix Spike Duplicate MW-4A, and Matrix Spike Duplicate MW-9B. Since the results were biased high and the analytes were not detected in the samples, no corrective action was performed.

The spike recovery for 2,4-Dinitrotoluene was above the method defined quality control limits in the Matrix Spike Duplicate MW-9B. Since the result was biased high and the analyte was not detected in the samples, no corrective action was performed.

The internal standard recovery for Perylene-D12 was above method defined quality control limits and the surrogate recovery for Phenol-D5 was below method defined quality control limits in the sample MW-6A due to possible matrix interference. The sample was re-analyzed at a dilution with compliant results. Both sets of data will be reported.

Metals Data

No deviations from protocol were encountered during the analytical procedures.

Wet Chemistry Data

No deviations from protocol were encountered during the analytical procedures.

The results presented in this report relate only to the analytical testing and condition of the sample at receipt. This report pertains to only those samples actually tested. All pages of this report are integral parts of the analytical data. Therefore, this report should be reproduced only in its entirety.

"I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hardcopy data package and in the computer-readable data submitted on floppy diskette has been authorized by the Laboratory Manager or his designee, as verified by the following signature."



Brian J. Fischer
Project Manager

12-14-05

Date

Date: 12/14/2005
Time: 09:50:13

Dilution Log w/Code Information
For Job A05-D400

8/1432
Page: 1
Rept: AN1266R

<u>Client Sample ID</u>	<u>Lab Sample ID</u>	<u>Parameter (Inorganic)/Method (Organic)</u>	<u>Dilution</u>	<u>Code</u>
MW-6A RI	A5D40013RI	8270	10.00	002

Dilution Code Definition:

- 002 - sample matrix effects
- 003 - excessive foaming
- 004 - high levels of non-target compounds
- 005 - sample matrix resulted in method non-compliance for an Internal Standard
- 006 - sample matrix resulted in method non-compliance for Surrogate
- 007 - nature of the TCLP matrix
- 008 - high concentration of target analyte(s)
- 009 - sample turbidity
- 010 - sample color
- 011 - insufficient volume for lower dilution
- 012 - sample viscosity
- 013 - other

NEW YORK STATE
DEPARTMENT OF ENVIRONMENTAL CONSERVATION

SAMPLE IDENTIFICATION
AND
ANALYTICAL REQUEST SUMMARY

LAB NAME: SEVERN TRENT LABORATORIES, INC.

CUSTOMER SAMPLE ID	LABORATORY SAMPLE ID	ANALYTICAL REQUIREMENTS						
		VOA GC/MS	BNA GC/MS	VOA GC	PEST PCB	METALS	TCLP HERB	WATER QUALITY
MW-11A	A5D40001	ASP00	ASP00	-	-	ASP00	-	ASP00
MW-11B	A5D40002	ASP00	ASP00	-	-	ASP00	-	ASP00
MW-11C	A5D40003	ASP00	ASP00	-	-	ASP00	-	ASP00
MW-12A	A5D40006	ASP00	ASP00	-	-	ASP00	-	ASP00
MW-12B	A5D40007	ASP00	ASP00	-	-	ASP00	-	ASP00
MW-2	A5D40008	ASP00	ASP00	-	-	ASP00	-	ASP00
MW-4A	A5D40004	ASP00	ASP00	-	-	ASP00	-	ASP00
MW-4B	A5D40005	ASP00	ASP00	-	-	ASP00	-	ASP00
MW-6A	A5D40013	ASP00	ASP00	-	-	ASP00	-	ASP00
MW-6B	A5D40014	ASP00	ASP00	-	-	ASP00	-	ASP00
MW-8A	A5D40009	ASP00	ASP00	-	-	ASP00	-	ASP00
MW-8B	A5D40010	ASP00	ASP00	-	-	ASP00	-	ASP00
MW-9A	A5D40011	ASP00	ASP00	-	-	ASP00	-	ASP00
MW-9B	A5D40012	ASP00	ASP00	-	-	ASP00	-	ASP00

NYSDEC-1

NEW YORK STATE
DEPARTMENT OF ENVIRONMENTAL CONSERVATIONSAMPLE PREPARATION AND ANALYSIS SUMMARY
VOLATILE ANALYSIS

LAB NAME: SEVERN TRENT LABORATORIES, INC.

SAMPLE IDENTIFICATION	MATRIX	DATE COLLECTED	DATE RECEIVED AT LAB	DATE EXTRACTED	DATE ANALYZED
MW-11A	WATER	11/21/2005	11/23/2005	-	11/30/2005
MW-11B	WATER	11/21/2005	11/23/2005	-	11/30/2005
MW-11C	WATER	11/21/2005	11/23/2005	-	11/30/2005
MW-12A	WATER	11/21/2005	11/23/2005	-	11/29/2005
MW-12B	WATER	11/21/2005	11/23/2005	-	11/29/2005
MW-2	WATER	11/21/2005	11/23/2005	-	11/29/2005
MW-4A	WATER	11/21/2005	11/23/2005	-	11/30/2005
MW-4B	WATER	11/21/2005	11/23/2005	-	11/29/2005
MW-6A	WATER	11/22/2005	11/23/2005	-	11/29/2005
MW-6B	WATER	11/22/2005	11/23/2005	-	11/29/2005
MW-8A	WATER	11/22/2005	11/23/2005	-	11/29/2005
MW-8B	WATER	11/22/2005	11/23/2005	-	11/29/2005
MW-9A	WATER	11/22/2005	11/23/2005	-	11/29/2005
MW-9B	WATER	11/22/2005	11/23/2005	-	11/29/2005

NYSDEC-2

NEW YORK STATE
DEPARTMENT OF ENVIRONMENTAL CONSERVATION

SAMPLE PREPARATION AND ANALYSIS SUMMARY
B\N-A ANALYSIS

LAB NAME: SEVERN TRENT LABORATORIES, INC.

SAMPLE IDENTIFICATION	MATRIX	DATE COLLECTED	DATE RECEIVED AT LAB	DATE EXTRACTED	DATE ANALYZED
MW-11A	WATER	11/21/2005	11/23/2005	11/28/2005	12/01/2005
MW-11B	WATER	11/21/2005	11/23/2005	11/28/2005	12/01/2005
MW-11C	WATER	11/21/2005	11/23/2005	11/28/2005	12/01/2005
MW-12A	WATER	11/21/2005	11/23/2005	11/28/2005	12/01/2005
MW-12B	WATER	11/21/2005	11/23/2005	11/28/2005	12/01/2005
MW-2	WATER	11/21/2005	11/23/2005	11/28/2005	12/01/2005
MW-4A	WATER	11/21/2005	11/23/2005	11/28/2005	12/01/2005
MW-4B	WATER	11/21/2005	11/23/2005	11/28/2005	12/01/2005
MW-6A	WATER	11/22/2005	11/23/2005	11/28/2005	12/02/2005
MW-6A RI	WATER	11/22/2005	11/23/2005	11/28/2005	12/02/2005
MW-6B	WATER	11/22/2005	11/23/2005	11/28/2005	12/02/2005
MW-8A	WATER	11/22/2005	11/23/2005	11/28/2005	12/01/2005
MW-8B	WATER	11/22/2005	11/23/2005	11/28/2005	12/01/2005
MW-9A	WATER	11/22/2005	11/23/2005	11/28/2005	12/01/2005
MW-9B	WATER	11/22/2005	11/23/2005	11/28/2005	12/01/2005

NEW YORK STATE
DEPARTMENT OF ENVIRONMENTAL CONSERVATIONSAMPLE PREPARATION AND ANALYTICAL SUMMARY
INORGANIC ANALYSIS

LAB NAME: SEVERN TRENT LABORATORIES, INC.

SAMPLE IDENTIFICATION	MATRIX	METALS REQUESTED	DATE RECEIVED AT LAB	DATE DIGESTED	DATE ANALYZED
MW-11A	WATER	5 metals	11/23/2005	11/28/2005	11/29/2005
MW-11B	WATER	5 metals	11/23/2005	11/28/2005	11/29/2005
MW-11C	WATER	5 metals	11/23/2005	11/28/2005	11/29/2005
MW-12A	WATER	5 metals	11/23/2005	11/28/2005	11/29/2005
MW-12B	WATER	5 metals	11/23/2005	11/28/2005	11/29/2005
MW-2	WATER	5 metals	11/23/2005	11/28/2005	11/29/2005
MW-4A	WATER	5 metals	11/23/2005	11/28/2005	11/29/2005
MW-4B	WATER	5 metals	11/23/2005	11/28/2005	11/29/2005
MW-6A	WATER	5 metals	11/23/2005	11/28/2005	11/29/2005
MW-6B	WATER	5 metals	11/23/2005	11/28/2005	11/29/2005
MW-8A	WATER	5 metals	11/23/2005	11/28/2005	11/29/2005
MW-8B	WATER	5 metals	11/23/2005	11/28/2005	11/29/2005
MW-9A	WATER	5 metals	11/23/2005	11/28/2005	11/29/2005
MW-9B	WATER	5 metals	11/23/2005	11/28/2005	11/29/2005

NYSDEC-5

NEW YORK STATE
DEPARTMENT OF ENVIRONMENTAL CONSERVATIONSAMPLE PREPARATION AND ANALYSIS SUMMARY
ORGANIC ANALYSIS

LAB NAME: SEVERN TRENT LABORATORIES, INC.

SAMPLE IDENTIFICATION	MATRIX	ANALYTICAL PROTOCOL	EXTRACTION METHOD	AUXILIARY CLEAN UP	DIL/CONC FACTOR
MW-11A	WATER	ASP00	SEPF	AS REQUIRED	AS REQUIRED
MW-11B	WATER	ASP00	SEPF	AS REQUIRED	AS REQUIRED
MW-11C	WATER	ASP00	SEPF	AS REQUIRED	AS REQUIRED
MW-12A	WATER	ASP00	SEPF	AS REQUIRED	AS REQUIRED
MW-12B	WATER	ASP00	SEPF	AS REQUIRED	AS REQUIRED
MW-2	WATER	ASP00	SEPF	AS REQUIRED	AS REQUIRED
MW-4A	WATER	ASP00	SEPF	AS REQUIRED	AS REQUIRED
MW-4B	WATER	ASP00	SEPF	AS REQUIRED	AS REQUIRED
MW-6A	WATER	ASP00	SEPF	AS REQUIRED	AS REQUIRED
MW-6A RI	WATER	ASP00	SEPF	AS REQUIRED	AS REQUIRED
MW-6B	WATER	ASP00	SEPF	AS REQUIRED	AS REQUIRED
MW-8A	WATER	ASP00	SEPF	AS REQUIRED	AS REQUIRED
MW-8B	WATER	ASP00	SEPF	AS REQUIRED	AS REQUIRED
MW-9A	WATER	ASP00	SEPF	AS REQUIRED	AS REQUIRED
MW-9B	WATER	ASP00	SEPF	AS REQUIRED	AS REQUIRED

NEW YORK STATE
DEPARTMENT OF ENVIRONMENTAL CONSERVATION

SAMPLE PREPARATION AND ANALYSIS SUMMARY
INORGANIC ANALYSIS

LAB NAME: SEVERN TRENT LABORATORIES, INC.

LABORATORY SAMPLE CODE	MATRIX	ANALYTICAL PROTOCOL	DIGESTION PROCEDURE	MATRIX MODIFIER	DIL/CONC FACTOR
MW-11A	WATER	ASP00	ASP00	AS REQUIRED	AS REQUIRED
MW-11B	WATER	ASP00	ASP00	AS REQUIRED	AS REQUIRED
MW-11C	WATER	ASP00	ASP00	AS REQUIRED	AS REQUIRED
MW-12A	WATER	ASP00	ASP00	AS REQUIRED	AS REQUIRED
MW-12B	WATER	ASP00	ASP00	AS REQUIRED	AS REQUIRED
MW-2	WATER	ASP00	ASP00	AS REQUIRED	AS REQUIRED
MW-4A	WATER	ASP00	ASP00	AS REQUIRED	AS REQUIRED
MW-4B	WATER	ASP00	ASP00	AS REQUIRED	AS REQUIRED
MW-6A	WATER	ASP00	ASP00	AS REQUIRED	AS REQUIRED
MW-6B	WATER	ASP00	ASP00	AS REQUIRED	AS REQUIRED
MW-8A	WATER	ASP00	ASP00	AS REQUIRED	AS REQUIRED
MW-8B	WATER	ASP00	ASP00	AS REQUIRED	AS REQUIRED
MW-9A	WATER	ASP00	ASP00	AS REQUIRED	AS REQUIRED
MW-9B	WATER	ASP00	ASP00	AS REQUIRED	AS REQUIRED

Job:	A05-D400	SDG/Case	
File ID	W06848	Lab ID	A5D40013R
Date	12/2/2005	Client ID	MW-6A RI
Initial Volume (mL)	990	Injection Volume (uL)	2.00
Final Volume (mL)	1.0		
Dilution Factor	10.00	GPC	N

1000	1
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[illegible]

Alkane Types

Type 1

Type 2

Type 3

Type 4

Unknown Straight Chain Alkane

Unknown Branched Alkane

Unknown Cyclic Alkane

Unknown Alkane



DATA QUALIFIER PAGE

These definitions are provided in the event the data in this report requires the use of one or more of the qualifiers. Not all qualifiers defined below are necessarily used in the accompanying data package.

ORGANIC DATA QUALIFIERS

ND or U Indicates compound was analyzed for, but not detected.

- J Indicates an estimated value. This flag is used either when estimating a concentration for tentatively identified compounds where a 1:1 response is assumed, or when the data indicates the presence of a compound that meets the identification criteria but the result is less than the sample quantitation limit but greater than zero.
- C This flag applies to pesticide results where the identification has been confirmed by GC/MS.
- B This flag is used when the analyte is found in the associated blank, as well as in the sample.
- E This flag identifies compounds whose concentrations exceed the calibration range of the instrument for that specific analysis.
- D This flag identifies all compounds identified in an analysis at the secondary dilution factor.
- N Indicates presumptive evidence of a compound. This flag is used only for tentatively identified compounds, where the identification is based on the Mass Spectral library search. It is applied to all TIC results.
- P This flag is used for CLP methodology only. For Pesticide/Aroclor target analytes, when a difference for detected concentrations between the two GC columns is greater than 25%, the lower of the two values is reported on the data page and flagged with a "P".
- A This flag indicates that a TIC is a suspected aldol-condensation product.
- † Indicates coelution.
- * Indicates analysis is not within the quality control limits.

INORGANIC DATA QUALIFIERS

- ND or U Indicates element was analyzed for, but not detected. Report with the detection limit value.
- J or B Indicates a value greater than or equal to the instrument detection limit, but less than the quantitation limit.
- N Indicates spike sample recovery is not within the quality control limits.
- S Indicates value determined by the Method of Standard Addition.
- E Indicates a value estimated or not reported due to the presence of interferences.
- H Indicates analytical holding time exceedance. The value obtained should be considered an estimate.
- * Indicates the spike or duplicate analysis is not within the quality control limits.
- + Indicates the correlation coefficient for the Method of Standard Addition is less than 0.995.

Lab Name: STL Buffalo

Contract: _____

MW-11A

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) WATER

Lab Sample ID: A5D40001

Sample wt/vol: 5.00 (g/mL) ML

Lab File ID: Q9098.RR

Level: (low/med) LOW

Date Samp/Recv: 11/21/2005 11/23/2005

% Moisture: not dec. _____ Heated Purge: N

Date Analyzed: 11/30/2005

GC Column: DB-624 ID: 0.25 (mm)

Dilution Factor: 1.00

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS:		Q
		(ug/L or ug/Kg)	<u>UG/L</u>	
74-87-3	Chloromethane	3		J
74-83-9	Bromomethane	10		U
75-01-4	Vinyl chloride	10		U
75-00-3	Chloroethane	10		U
75-09-2	Methylene chloride	10		U
67-64-1	Acetone	10		U
75-15-0	Carbon Disulfide	10		U
75-35-4	1,1-Dichloroethene	10		U
75-34-3	1,1-Dichloroethane	10		U
67-66-3	Chloroform	10		U
107-06-2	1,2-Dichloroethane	10		U
78-93-3	2-Butanone	10		U
71-55-6	1,1,1-Trichloroethane	10		U
56-23-5	Carbon Tetrachloride	10		U
75-27-4	Bromodichloromethane	10		U
78-87-5	1,2-Dichloropropane	10		U
10061-01-5	cis-1,3-Dichloropropene	10		U
79-01-6	Trichloroethene	10		U
124-48-1	Dibromochloromethane	10		U
79-00-5	1,1,2-Trichloroethane	10		U
71-43-2	Benzene	7		J
10061-02-6	trans-1,3-Dichloropropene	10		U
75-25-2	Bromoform	10		U
108-10-1	4-Methyl-2-pentanone	10		U
591-78-6	2-Hexanone	10		U
127-18-4	Tetrachloroethene	10		U
108-88-3	Toluene	10		U
79-34-5	1,1,2,2-Tetrachloroethane	10		U
108-90-7	Chlorobenzene	10		U
100-41-4	Ethylbenzene	10		U
100-42-5	Styrene	10		U
1330-20-7	Total Xylenes	10		U
75-71-8	Dichlorodifluoromethane	10		U
75-69-4	Trichlorofluoromethane	10		U

DELTA - AQ - ASP 2000/8260 - TCL VOLATILES
ANALYSIS DATA SHEET

19/1432

Client No.

MW-11A

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) WATER Lab Sample ID: A5D40001

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: Q9098.RR

Level: (low/med) LOW Date Samp/Recv: 11/21/2005 11/23/2005

% Moisture: not dec. _____ Heated Purge: N Date Analyzed: 11/30/2005

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/L	Q
76-13-1-----	1,1,2-Trichloro-1,2,2-trifluoroethane	10	U	
156-60-5-----	trans-1,2-Dichloroethene	10	U	
1634-04-4-----	Methyl-t-Butyl Ether (MTBE)	10	U	
156-59-2-----	cis-1,2-Dichloroethene	10	U	
110-82-7-----	Cyclohexane	10	U	
108-87-2-----	Methylcyclohexane	10	U	
106-93-4-----	1,2-Dibromoethane	10	U	
98-82-8-----	Isopropylbenzene	10	U	
541-73-1-----	1,3-Dichlorobenzene	10	U	
106-46-7-----	1,4-Dichlorobenzene	10	U	
95-50-1-----	1,2-Dichlorobenzene	10	U	
96-12-8-----	1,2-Dibromo-3-chloropropane	10	U	
120-82-1-----	1,2,4-Trichlorobenzene	10	U	
79-20-9-----	Methyl acetate	10	U	

Lab Name: STL Buffalo Contract: _____

MW-11A

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) WATER Lab Sample ID: A5D40001

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: Q9098.RR

Level: (low/med) LOW Date Samp/Recv: 11/21/2005 11/23/2005

% Moisture: not dec. _____ Date Analyzed: 11/30/2005

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

Number TICs found: 5

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

CAS NO.	Compound Name	RT	Est. Conc.	Q
1.	UNKNOWN	1.55	11	J
2. 420-56-4	FLUOROTRIMETHYL SILANE	2.06	8	JN
3.	UNKNOWN ALCOHOL	3.69	50	J
4.	UNKNOWN	12.35	5	J
5.	UNKNOWN	12.42	16	J

MW-11B

Lab Name: STL Buffalo

Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____Matrix: (soil/water) WATERLab Sample ID: A5D40002Sample wt/vol: 5.00 (g/mL) MLLab File ID: Q9097.RRLevel: (low/med) LOWDate Samp/Recv: 11/21/2005 11/23/2005% Moisture: not dec. _____ Heated Purge: NDate Analyzed: 11/30/2005GC Column: DB-624 ID: 0.25 (mm)Dilution Factor: 1.00

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/L Q

74-87-3-----	Chloromethane	10	U
74-83-9-----	Bromomethane	10	U
75-01-4-----	Vinyl chloride	10	U
75-00-3-----	Chloroethane	10	U
75-09-2-----	Methylene chloride	10	U
67-64-1-----	Acetone	10	U
75-15-0-----	Carbon Disulfide	10	U
75-35-4-----	1,1-Dichloroethene	10	U
75-34-3-----	1,1-Dichloroethane	10	U
67-66-3-----	Chloroform	10	U
107-06-2-----	1,2-Dichloroethane	10	U
78-93-3-----	2-Butanone	10	U
71-55-6-----	1,1,1-Trichloroethane	10	U
56-23-5-----	Carbon Tetrachloride	10	U
75-27-4-----	Bromodichloromethane	10	U
78-87-5-----	1,2-Dichloropropane	10	U
10061-01-5----	cis-1,3-Dichloropropene	10	U
79-01-6-----	Trichloroethene	10	U
124-48-1-----	Dibromochloromethane	10	U
79-00-5-----	1,1,2-Trichloroethane	10	U
71-43-2-----	Benzene	10	U
10061-02-6----	trans-1,3-Dichloropropene	10	U
75-25-2-----	Bromoform	10	U
108-10-1-----	4-Methyl-2-pentanone	10	U
591-78-6-----	2-Hexanone	10	U
127-18-4-----	Tetrachloroethene	10	U
108-88-3-----	Toluene	10	U
79-34-5-----	1,1,2,2-Tetrachloroethane	10	U
108-90-7-----	Chlorobenzene	10	U
100-41-4-----	Ethylbenzene	10	U
100-42-5-----	Styrene	10	U
1330-20-7----	Total Xylenes	10	U
75-71-8-----	Dichlorodifluoromethane	10	U
75-69-4-----	Trichlorofluoromethane	10	U

DELTA - AQ - ASP 2000/8260 - TCL VOLATILES
ANALYSIS DATA SHEET

22/1432

Client No.

MW-11B

Lab Name: STL Buffalo

Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) WATER

Lab Sample ID: A5D40002

Sample wt/vol: 5.00 (g/mL) ML

Lab File ID: Q9097.RR

Level: (low/med) LOW

Date Samp/Recv: 11/21/2005 11/23/2005

% Moisture: not dec. _____ Heated Purge: N

Date Analyzed: 11/30/2005

GC Column: DB-624 ID: 0.25 (mm)

Dilution Factor: 1.00

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS:	
		(ug/L or ug/Kg)	UG/L Q
76-13-1-----	1,1,2-Trichloro-1,2,2-trifluoroethane	10	U
156-60-5-----	trans-1,2-Dichloroethene	10	U
1634-04-4-----	Methyl-t-Butyl Ether (MTBE)	10	U
156-59-2-----	cis-1,2-Dichloroethene	10	U
110-82-7-----	Cyclohexane	10	U
108-87-2-----	Methylcyclohexane	10	U
106-93-4-----	1,2-Dibromoethane	10	U
98-82-8-----	Isopropylbenzene	10	U
541-73-1-----	1,3-Dichlorobenzene	10	U
106-46-7-----	1,4-Dichlorobenzene	10	U
95-50-1-----	1,2-Dichlorobenzene	10	U
96-12-8-----	1,2-Dibromo-3-chloropropane	10	U
120-82-1-----	1,2,4-Trichlorobenzene	10	U
79-20-9-----	Methyl acetate	10	U

DELTA - AQ - ASP 2000/8260 - TCL VOLATILES
TENTATIVELY IDENTIFIED COMPOUNDS

23/1432

Client No.

MW-11B

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) WATER Lab Sample ID: A5D40002

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: Q9097.RR

Level: (low/med) LOW Date Samp/Recv: 11/21/2005 11/23/2005

% Moisture: not dec. _____ Date Analyzed: 11/30/2005

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

Number TICs found: 0 CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

CAS NO.	Compound Name	RT	Est. Conc.	Q

MW-11C

Lab Name: STL Buffalo

Contract: _____

Lab Code: RECNY

Case No.: _____

SAS No.: _____

SDG No.: _____

Matrix: (soil/water) WATER

Lab Sample ID: A5D40003

Sample wt/vol: 5.00 (g/mL) ML

Lab File ID: Q9096.RR

Level: (low/med) LOW

Date Samp/Recv: 11/21/2005 11/23/2005

% Moisture: not dec. _____ Heated Purge: N

Date Analyzed: 11/30/2005

GC Column: DB-624 ID: 0.25 (mm)

Dilution Factor: 1.00

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS:	
		(ug/L or ug/Kg)	UG/L Q
74-87-3	Chloromethane	3	J
74-83-9	Bromomethane	10	U
75-01-4	Vinyl chloride	10	U
75-00-3	Chloroethane	10	U
75-09-2	Methylene chloride	10	U
67-64-1	Acetone	10	U
75-15-0	Carbon Disulfide	10	U
75-35-4	1,1-Dichloroethene	10	U
75-34-3	1,1-Dichloroethane	10	U
67-66-3	Chloroform	10	U
107-06-2	1,2-Dichloroethane	10	U
78-93-3	2-Butanone	10	U
71-55-6	1,1,1-Trichloroethane	10	U
56-23-5	Carbon Tetrachloride	10	U
75-27-4	Bromodichloromethane	10	U
78-87-5	1,2-Dichloropropane	10	U
10061-01-5	cis-1,3-Dichloropropene	10	U
79-01-6	Trichloroethene	10	U
124-48-1	Dibromochloromethane	10	U
79-00-5	1,1,2-Trichloroethane	10	U
71-43-2	Benzene	7	J
10061-02-6	trans-1,3-Dichloropropene	10	U
75-25-2	Bromoform	10	U
108-10-1	4-Methyl-2-pentanone	10	U
591-78-6	2-Hexanone	10	U
127-18-4	Tetrachloroethene	10	U
108-88-3	Toluene	10	U
79-34-5	1,1,2,2-Tetrachloroethane	10	U
108-90-7	Chlorobenzene	10	U
100-41-4	Ethylbenzene	10	U
100-42-5	Styrene	10	U
1330-20-7	Total Xylenes	10	U
75-71-8	Dichlorodifluoromethane	10	U
75-69-4	Trichlorofluoromethane	10	U

DELTA - AQ - ASP 2000/8260 - TCL VOLATILES
ANALYSIS DATA SHEET

25/1432

Client No.

MW-11C

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) WATER Lab Sample ID: A5D40003

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: Q9096.RR

Level: (low/med) LOW Date Samp/Recv: 11/21/2005 11/23/2005

% Moisture: not dec. _____ Heated Purge: N Date Analyzed: 11/30/2005

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L Q

CAS NO.	COMPOUND	UG/L	Q
76-13-1-----	1,1,2-Trichloro-1,2,2-trifluoroethane	10	U
156-60-5-----	trans-1,2-Dichloroethene	10	U
1634-04-4-----	Methyl-t-Butyl Ether (MTBE)	10	U
156-59-2-----	cis-1,2-Dichloroethene	10	U
110-82-7-----	Cyclohexane	10	U
108-87-2-----	Methylcyclohexane	10	U
106-93-4-----	1,2-Dibromoethane	10	U
98-82-8-----	Isopropylbenzene	10	U
541-73-1-----	1,3-Dichlorobenzene	10	U
106-46-7-----	1,4-Dichlorobenzene	10	U
95-50-1-----	1,2-Dichlorobenzene	10	U
96-12-8-----	1,2-Dibromo-3-chloropropane	10	U
120-82-1-----	1,2,4-Trichlorobenzene	10	U
79-20-9-----	Methyl acetate	10	U

DELTA - AQ - ASP 2000/8260 - TCL VOLATILES
TENTATIVELY IDENTIFIED COMPOUNDS

26/1432

Client No.

Lab Name: STL Buffalo Contract: _____

MW-11C

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) WATER

Lab Sample ID: A5D40003

Sample wt/vol: 5.00 (g/mL) ML

Lab File ID: Q9096.RR

Level: (low/med) LOW

Date Samp/Recv: 11/21/2005 11/23/2005

% Moisture: not dec. _____

Date Analyzed: 11/30/2005

GC Column: DB-624 ID: 0.25 (mm)

Dilution Factor: 1.00

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

Number TICs found: 5

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

CAS NO.	Compound Name	RT	Est. Conc.	Q
1.	UNKNOWN	1.55	10	J
2. 420-56-4	FLUOROTRIMETHYL SILANE	2.06	8	JN
3.	UNKNOWN ALCOHOL	3.69	51	J
4.	UNKNOWN	12.35	5	J
5.	UNKNOWN	12.42	16	J

MW-12A

Lab Name: STL Buffalo

Contract: _____

Lab Code: RECNY

Case No.: _____

SAS No.: _____

SDG No.: _____

Matrix: (soil/water) WATER

Lab Sample ID: A5D40006

Sample wt/vol: 5.00 (g/mL) ML

Lab File ID: Q9082.RR

Level: (low/med) LOW

Date Samp/Recv: 11/21/2005 11/23/2005

% Moisture: not dec. _____ Heated Purge: N

Date Analyzed: 11/29/2005

GC Column: DB-624 ID: 0.25 (mm)

Dilution Factor: 1.00

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/L	Q
74-87-3	Chloromethane	10	U	
74-83-9	Bromomethane	10	U	
75-01-4	Vinyl chloride	10	U	
75-00-3	Chloroethane	10	U	
75-09-2	Methylene chloride	10	U	
67-64-1	Acetone	10	U	
75-15-0	Carbon Disulfide	10	U	
75-35-4	1,1-Dichloroethene	10	U	
75-34-3	1,1-Dichloroethane	10	U	
67-66-3	Chloroform	10	U	
107-06-2	1,2-Dichloroethane	10	U	
78-93-3	2-Butanone	10	U	
71-55-6	1,1,1-Trichloroethane	10	U	
56-23-5	Carbon Tetrachloride	10	U	
75-27-4	Bromodichloromethane	10	U	
78-87-5	1,2-Dichloropropane	10	U	
10061-01-5	cis-1,3-Dichloropropene	10	U	
79-01-6	Trichloroethene	10	U	
124-48-1	Dibromochloromethane	10	U	
79-00-5	1,1,2-Trichloroethane	10	U	
71-43-2	Benzene	5	J	
10061-02-6	trans-1,3-Dichloropropene	10	U	
75-25-2	Bromoform	10	U	
108-10-1	4-Methyl-2-pentanone	10	U	
591-78-6	2-Hexanone	10	U	
127-18-4	Tetrachloroethene	10	U	
108-88-3	Toluene	10	U	
79-34-5	1,1,2,2-Tetrachloroethane	10	U	
108-90-7	Chlorobenzene	10		
100-41-4	Ethylbenzene	10	U	
100-42-5	Styrene	10	U	
1330-20-7	Total Xylenes	10	U	
75-71-8	Dichlorodifluoromethane	10	U	
75-69-4	Trichlorofluoromethane	10	U	

DELTA - AQ - ASP 2000/8260 - TCL VOLATILES
ANALYSIS DATA SHEET

28/1432

Client No.

MW-12A

Lab Name: STL Buffalo

Contract: _____

Lab Code: RECNY

Case No.: _____

SAS No.: _____

SDG No.: _____

Matrix: (soil/water) WATER

Lab Sample ID: A5D40006

Sample wt/vol: 5.00 (g/mL) ML

Lab File ID: Q9082.RR

Level: (low/med) LOW

Date Samp/Recv: 11/21/2005 11/23/2005

% Moisture: not dec. _____ Heated Purge: N

Date Analyzed: 11/29/2005

GC Column: DB-624 ID: 0.25 (mm)

Dilution Factor: 1.00

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS:	
		(ug/L or ug/Kg)	UG/L
76-13-1-----	1,1,2-Trichloro-1,2,2-trifluoroethane	10	U
156-60-5-----	trans-1,2-Dichloroethene	10	U
1634-04-4-----	Methyl-t-Butyl Ether (MTBE)	10	U
156-59-2-----	cis-1,2-Dichloroethene	10	U
110-82-7-----	Cyclohexane	10	U
108-87-2-----	Methylcyclohexane	10	U
106-93-4-----	1,2-Dibromoethane	10	U
98-82-8-----	Isopropylbenzene	10	U
541-73-1-----	1,3-Dichlorobenzene	10	U
106-46-7-----	1,4-Dichlorobenzene	3	J
95-50-1-----	1,2-Dichlorobenzene	10	U
96-12-8-----	1,2-Dibromo-3-chloropropane	10	U
120-82-1-----	1,2,4-Trichlorobenzene	10	U
79-20-9-----	Methyl acetate	10	U

MW-12A

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNV Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) WATER Lab Sample ID: A5D40006

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: Q9082.RR

Level: (low/med) LOW Date Samp/Recv: 11/21/2005 11/23/2005

% Moisture: not dec. _____ Date Analyzed: 11/29/2005

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

Number TICs found: 1 CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

CAS NO.	Compound Name	RT	Est. Conc.	Q
1.	OXYGENATED COMPOUND	2.88	10	J

DELTA - AQ - ASP 2000/8260 - TCL VOLATILES
ANALYSIS DATA SHEET

30/1432

Client No.

MW-12B

Lab Name: SIL Buffalo

Contract: _____

Lab Code: REKNY

Case No.: _____

SAS No.: _____

SDG No.: _____

Matrix: (soil/water) WATER

Lab Sample ID: A5D40007

Sample wt/vol: 5.00 (g/mL) ML

Lab File ID: Q9081.RR

Level: (low/med) LOW

Date Samp/Recv: 11/21/2005 11/23/2005

% Moisture: not dec. _____ Heated Purge: N

Date Analyzed: 11/29/2005

GC Column: DB-624 ID: 0.25 (mm)

Dilution Factor: 1.00

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/L Q

74-87-3-----	Chloromethane	10	U
74-83-9-----	Bromomethane	10	U
75-01-4-----	Vinyl chloride	10	U
75-00-3-----	Chloroethane	10	U
75-09-2-----	Methylene chloride	10	U
67-64-1-----	Acetone	3	J
75-15-0-----	Carbon Disulfide	10	U
75-35-4-----	1,1-Dichloroethene	10	U
75-34-3-----	1,1-Dichloroethane	10	U
67-66-3-----	Chloroform	10	U
107-06-2-----	1,2-Dichloroethane	10	U
78-93-3-----	2-Butanone	10	U
71-55-6-----	1,1,1-Trichloroethane	10	U
56-23-5-----	Carbon Tetrachloride	10	U
75-27-4-----	Bromodichloromethane	10	U
78-87-5-----	1,2-Dichloropropane	10	U
10061-01-5----	cis-1,3-Dichloropropene	10	U
79-01-6-----	Trichloroethene	10	U
124-48-1-----	Dibromochloromethane	10	U
79-00-5-----	1,1,2-Trichloroethane	10	U
71-43-2-----	Benzene	10	U
10061-02-6----	trans-1,3-Dichloropropene	10	U
75-25-2-----	Bromoform	10	U
108-10-1-----	4-Methyl-2-pentanone	10	U
591-78-6-----	2-Hexanone	10	U
127-18-4-----	Tetrachloroethene	10	U
108-88-3-----	Toluene	10	U
79-34-5-----	1,1,2,2-Tetrachloroethane	10	U
108-90-7-----	Chlorobenzene	10	U
100-41-4-----	Ethylbenzene	10	U
100-42-5-----	Styrene	10	U
1330-20-7----	Total Xylenes	10	U
75-71-8-----	Dichlorodifluoromethane	10	U
75-69-4-----	Trichlorofluoromethane	10	U

DELTA - AQ - ASP 2000/8260 - TCL VOLATILES
ANALYSIS DATA SHEET

31/1432

Client No.

MW-12B

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) WATER Lab Sample ID: A5D40007

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: Q9081.RR

Level: (low/med) LOW Date Samp/Recv: 11/21/2005 11/23/2005

% Moisture: not dec. _____ Heated Purge: N Date Analyzed: 11/29/2005

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L Q

CAS NO.	COMPOUND		
76-13-1-----	1,1,2-Trichloro-1,2,2-trifluoroethane	10	U
156-60-5-----	trans-1,2-Dichloroethene	10	U
1634-04-4-----	Methyl-t-Butyl Ether (MTBE)	10	U
156-59-2-----	cis-1,2-Dichloroethene	10	U
110-82-7-----	Cyclohexane	10	U
108-87-2-----	Methylcyclohexane	10	U
106-93-4-----	1,2-Dibromoethane	10	U
98-82-8-----	Isopropylbenzene	10	U
541-73-1-----	1,3-Dichlorobenzene	10	U
106-46-7-----	1,4-Dichlorobenzene	10	U
95-50-1-----	1,2-Dichlorobenzene	10	U
96-12-8-----	1,2-Dibromo-3-chloropropane	10	U
120-82-1-----	1,2,4-Trichlorobenzene	10	U
79-20-9-----	Methyl acetate	10	U

DELTA - AQ - ASP 2000/8260 - TCL VOLATILES
TENTATIVELY IDENTIFIED COMPOUNDS

32/1432

Client No.

MW-12B

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) WATER Lab Sample ID: A5D40007

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: Q9081.RR

Level: (low/med) LOW Date Samp/Recv: 11/21/2005 11/23/2005

% Moisture: not dec. _____ Date Analyzed: 11/29/2005

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

Number TICs found: 0 CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

CAS NO.	Compound Name	RT	Est. Conc.	Q

MW-2

Lab Name: STL Buffalo Contract: _____Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____Matrix: (soil/water) WATER Lab Sample ID: A5D40008Sample wt/vol: 5.00 (g/mL) ML Lab File ID: Q9080.RRLevel: (low/med) LOW Date Samp/Recv: 11/21/2005 11/23/2005% Moisture: not dec. _____ Heated Purge: N Date Analyzed: 11/29/2005GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/L Q

74-87-3-----	Chloromethane	10	U
74-83-9-----	Bromomethane	10	U
75-01-4-----	Vinyl chloride	10	U
75-00-3-----	Chloroethane	10	U
75-09-2-----	Methylene chloride	10	U
67-64-1-----	Acetone	10	U
75-15-0-----	Carbon Disulfide	10	U
75-35-4-----	1,1-Dichloroethene	10	U
75-34-3-----	1,1-Dichloroethane	10	U
67-66-3-----	Chloroform	10	U
107-06-2-----	1,2-Dichloroethane	10	U
78-93-3-----	2-Butanone	10	U
71-55-6-----	1,1,1-Trichloroethane	10	U
56-23-5-----	Carbon Tetrachloride	10	U
75-27-4-----	Bromodichloromethane	10	U
78-87-5-----	1,2-Dichloropropane	10	U
10061-01-5----	cis-1,3-Dichloropropene	10	U
79-01-6-----	Trichloroethene	10	U
124-48-1-----	Dibromochloromethane	10	U
79-00-5-----	1,1,2-Trichloroethane	10	U
71-43-2-----	Benzene	7	J
10061-02-6----	trans-1,3-Dichloropropene	10	U
75-25-2-----	Bromoform	10	U
108-10-1-----	4-Methyl-2-pentanone	10	U
591-78-6-----	2-Hexanone	10	U
127-18-4-----	Tetrachloroethene	10	U
108-88-3-----	Toluene	10	U
79-34-5-----	1,1,2,2-Tetrachloroethane	10	U
108-90-7-----	Chlorobenzene	39	
100-41-4-----	Ethylbenzene	10	U
100-42-5-----	Styrene	10	U
1330-20-7----	Total Xylenes	10	U
75-71-8-----	Dichlorodifluoromethane	10	U
75-69-4-----	Trichlorofluoromethane	10	U

Lab Name: STL Buffalo

Contract: _____

MW-2

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) WATER

Lab Sample ID: A5D40008

Sample wt/vol: 5.00 (g/mL) ML

Lab File ID: Q9080.RR

Level: (low/med) LOW

Date Samp/Recv: 11/21/2005 11/23/2005

% Moisture: not dec. _____ Heated Purge: N

Date Analyzed: 11/29/2005

GC Column: DB-624 ID: 0.25 (mm)

Dilution Factor: 1.00

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS:	
		(ug/L or ug/Kg)	UG/L
76-13-1-----	1,1,2-Trichloro-1,2,2-trifluoroethane	10	U
156-60-5-----	trans-1,2-Dichloroethene	10	U
1634-04-4-----	Methyl-t-Butyl Ether (MTBE)	10	U
156-59-2-----	cis-1,2-Dichloroethene	10	U
110-82-7-----	Cyclohexane	10	U
108-87-2-----	Methylcyclohexane	10	U
106-93-4-----	1,2-Dibromoethane	10	U
98-82-8-----	Isopropylbenzene	2	J
541-73-1-----	1,3-Dichlorobenzene	10	U
106-46-7-----	1,4-Dichlorobenzene	8	J
95-50-1-----	1,2-Dichlorobenzene	2	J
96-12-8-----	1,2-Dibromo-3-chloropropane	10	U
120-82-1-----	1,2,4-Trichlorobenzene	10	U
79-20-9-----	Methyl acetate	10	U

MW-2

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) WATER

Lab Sample ID: A5D40008

Sample wt/vol: 5.00 (g/mL) ML

Lab File ID: Q9080.RR

Level: (low/med) LOW

Date Samp/Recv: 11/21/2005 11/23/2005

% Moisture: not dec. _____

Date Analyzed: 11/29/2005

GC Column: DB-624 ID: 0.25 (mm)

Dilution Factor: 1.00

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

Number TICs found: 2

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

CAS NO.	Compound Name	RT	Est. Conc.	Q
1. 75-45-6	CHLORODIFLUOROMETHANE	1.63	7	JN
2.	TRIMETHYLBENZENE ISOMER	10.19	9	J

MW-4A

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) WATER Lab Sample ID: A5D40004

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: Q9093.RR

Level: (low/med) LOW Date Samp/Recv: 11/21/2005 11/23/2005

% Moisture: not dec. _____ Heated Purge: N Date Analyzed: 11/30/2005

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/L	Q
74-87-3	-----Chloromethane		1	J
74-83-9	-----Bromomethane		10	U
75-01-4	-----Vinyl chloride		10	U
75-00-3	-----Chloroethane		10	U
75-09-2	-----Methylene chloride		10	U
67-64-1	-----Acetone		10	U
75-15-0	-----Carbon Disulfide		10	U
75-35-4	-----1,1-Dichloroethene		10	U
75-34-3	-----1,1-Dichloroethane		10	U
67-66-3	-----Chloroform		10	U
107-06-2	-----1,2-Dichloroethane		10	U
78-93-3	-----2-Butanone		10	U
71-55-6	-----1,1,1-Trichloroethane		10	U
56-23-5	-----Carbon Tetrachloride		10	U
75-27-4	-----Bromodichloromethane		10	U
78-87-5	-----1,2-Dichloropropane		10	U
10061-01-5	-----cis-1,3-Dichloropropene		10	U
79-01-6	-----Trichloroethene		10	U
124-48-1	-----Dibromochloromethane		10	U
79-00-5	-----1,1,2-Trichloroethane		10	U
71-43-2	-----Benzene		3	J
10061-02-6	-----trans-1,3-Dichloropropene		10	U
75-25-2	-----Bromoform		10	U
108-10-1	-----4-Methyl-2-pentanone		10	U
591-78-6	-----2-Hexanone		10	U
127-18-4	-----Tetrachloroethene		10	U
108-88-3	-----Toluene		10	U
79-34-5	-----1,1,2,2-Tetrachloroethane		10	U
108-90-7	-----Chlorobenzene		10	U
100-41-4	-----Ethylbenzene		10	U
100-42-5	-----Styrene		10	U
1330-20-7	-----Total Xylenes		10	U
75-71-8	-----Dichlorodifluoromethane		10	U
75-69-4	-----Trichlorofluoromethane		10	U

MW-4A

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) WATER Lab Sample ID: A5D40004

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: Q9093.RR

Level: (low/med) LOW Date Samp/Recv: 11/21/2005 11/23/2005

% Moisture: not dec. _____ Heated Purge: N Date Analyzed: 11/30/2005

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/L Q

76-13-1-----	1,1,2-Trichloro-1,2,2-trifluoroethane	10	U
156-60-5-----	trans-1,2-Dichloroethene	10	U
1634-04-4-----	Methyl-t-Butyl Ether (MTBE)	10	U
156-59-2-----	cis-1,2-Dichloroethene	10	U
110-82-7-----	Cyclohexane	10	U
108-87-2-----	Methylcyclohexane	10	U
106-93-4-----	1,2-Dibromoethane	10	U
98-82-8-----	Isopropylbenzene	10	U
541-73-1-----	1,3-Dichlorobenzene	10	U
106-46-7-----	1,4-Dichlorobenzene	10	U
95-50-1-----	1,2-Dichlorobenzene	10	U
96-12-8-----	1,2-Dibrom-3-chloropropane	10	U
120-82-1-----	1,2,4-Trichlorobenzene	10	U
79-20-9-----	Methyl acetate	10	U

DELTA - AQ - ASP 2000/8260 - TCL VOLATILES
TENTATIVELY IDENTIFIED COMPOUNDS

38/1432

Client No.

Lab Name: STL Buffalo

Contract: _____

MW-4A

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) WATER

Lab Sample ID: A5D40004

Sample wt/vol: 5.00 (g/mL) ML

Lab File ID: Q9093.RR

Level: (low/med) LOW

Date Samp/Recv: 11/21/2005 11/23/2005

% Moisture: not dec. _____

Date Analyzed: 11/30/2005

GC Column: DB-624 ID: 0.25 (mm)

Dilution Factor: 1.00

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

Number TICs found: 1

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

CAS NO.	Compound Name	RT	Est. Conc.	Q
1.	UNKNOWN	1.55	18	J

MW-4B

Lab Name: STL Buffalo Contract: _____Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____Matrix: (soil/water) WATER Lab Sample ID: A5D40005Sample wt/vol: 5.00 (g/mL) ML Lab File ID: Q9083.RRLevel: (low/med) LOW Date Samp/Recv: 11/21/2005 11/23/2005% Moisture: not dec. _____ Heated Purge: N Date Analyzed: 11/29/2005GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/L Q

74-87-3-----	Chloromethane	10	U
74-83-9-----	Bromomethane	10	U
75-01-4-----	Vinyl chloride	10	U
75-00-3-----	Chloroethane	10	U
75-09-2-----	Methylene chloride	10	U
67-64-1-----	Acetone	10	U
75-15-0-----	Carbon Disulfide	10	U
75-35-4-----	1,1-Dichloroethene	10	U
75-34-3-----	1,1-Dichloroethane	10	U
67-66-3-----	Chloroform	10	U
107-06-2-----	1,2-Dichloroethane	10	U
78-93-3-----	2-Butanone	10	U
71-55-6-----	1,1,1-Trichloroethane	10	U
56-23-5-----	Carbon Tetrachloride	10	U
75-27-4-----	Bromodichloromethane	10	U
78-87-5-----	1,2-Dichloropropane	10	U
10061-01-5----	cis-1,3-Dichloropropene	10	U
79-01-6-----	Trichloroethene	10	U
124-48-1-----	Dibromochloromethane	10	U
79-00-5-----	1,1,2-Trichloroethane	10	U
71-43-2-----	Benzene	10	U
10061-02-6----	trans-1,3-Dichloropropene	10	U
75-25-2-----	Bromoform	10	U
108-10-1-----	4-Methyl-2-pentanone	10	U
591-78-6-----	2-Hexanone	10	U
127-18-4-----	Tetrachloroethene	10	U
108-88-3-----	Toluene	10	U
79-34-5-----	1,1,2,2-Tetrachloroethane	10	U
108-90-7-----	Chlorobenzene	10	U
100-41-4-----	Ethylbenzene	10	U
100-42-5-----	Styrene	10	U
1330-20-7----	Total Xylenes	10	U
75-71-8-----	Dichlorodifluoromethane	10	U
75-69-4-----	Trichlorofluoromethane	10	U

DELTA - AQ - ASP 2000/8260 - TCL VOLATILES
ANALYSIS DATA SHEET

40/1432

Client No.

Lab Name: STL Buffalo

Contract: _____

MW-4B

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) WATER

Lab Sample ID: A5D40005

Sample wt/vol: 5.00 (g/mL) ML

Lab File ID: Q9083.RR

Level: (low/med) LOW

Date Samp/Recv: 11/21/2005 11/23/2005

% Moisture: not dec. _____ Heated Purge: N

Date Analyzed: 11/29/2005

GC Column: DB-624 ID: 0.25 (mm)

Dilution Factor: 1.00

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

CAS NO. COMPOUND CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L Q

76-13-1-----	1,1,2-Trichloro-1,2,2-trifluoroethane	10	U
156-60-5-----	trans-1,2-Dichloroethene	10	U
1634-04-4-----	Methyl-t-Butyl Ether (MTBE)	10	U
156-59-2-----	cis-1,2-Dichloroethene	10	U
110-82-7-----	Cyclohexane	10	U
108-87-2-----	Methylcyclohexane	10	U
106-93-4-----	1,2-Dibromoethane	10	U
98-82-8-----	Isopropylbenzene	10	U
541-73-1-----	1,3-Dichlorobenzene	10	U
106-46-7-----	1,4-Dichlorobenzene	10	U
95-50-1-----	1,2-Dichlorobenzene	10	U
96-12-8-----	1,2-Dibromo-3-chloropropane	10	U
120-82-1-----	1,2,4-Trichlorobenzene	10	U
79-20-9-----	Methyl acetate	10	U

DELTA - AQ - ASP 2000/8260 - TCL VOLATILES
TENTATIVELY IDENTIFIED COMPOUNDS

41/1432

Client No.

MW-4B

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) WATER

Lab Sample ID: A5D40005

Sample wt/vol: 5.00 (g/mL) ML

Lab File ID: Q9083.RR

Level: (low/med) LOW

Date Samp/Recv: 11/21/2005 11/23/2005

% Moisture: not dec. _____

Date Analyzed: 11/29/2005

GC Column: DB-624 ID: 0.25 (mm)

Dilution Factor: 1.00

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

Number TICs found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

CAS NO.	Compound Name	RT	Est. Conc.	Q

Lab Name: STL Buffalo

Contract: _____

MW-6A

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) WATER

Lab Sample ID: A5D40013

Sample wt/vol: 5.00 (g/mL) ML

Lab File ID: Q9073.RR

Level: (low/med) LOW

Date Samp/Recv: 11/22/2005 11/23/2005

% Moisture: not dec. _____ Heated Purge: N

Date Analyzed: 11/29/2005

GC Column: DB-624 ID: 0.25 (mm)

Dilution Factor: 1.00

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS:		Q
		(ug/L or ug/Kg)	UG/L	
74-87-3	Chloromethane		1	J
74-83-9	Bromomethane		10	U
75-01-4	Vinyl chloride		10	U
75-00-3	Chloroethane		3	J
75-09-2	Methylene chloride		10	U
67-64-1	Acetone		10	U
75-15-0	Carbon Disulfide		10	U
75-35-4	1,1-Dichloroethene		10	U
75-34-3	1,1-Dichloroethane		10	U
67-66-3	Chloroform		10	U
107-06-2	1,2-Dichloroethane		10	U
78-93-3	2-Butanone		10	U
71-55-6	1,1,1-Trichloroethane		10	U
56-23-5	Carbon Tetrachloride		10	U
75-27-4	Bromodichloromethane		10	U
78-87-5	1,2-Dichloropropane		10	U
10061-01-5	cis-1,3-Dichloropropene		10	U
79-01-6	Trichloroethene		10	U
124-48-1	Dibromochloromethane		10	U
79-00-5	1,1,2-Trichloroethane		10	U
71-43-2	Benzene		8	J
10061-02-6	trans-1,3-Dichloropropene		10	U
75-25-2	Bromoform		10	U
108-10-1	4-Methyl-2-pentanone		10	U
591-78-6	2-Hexanone		10	U
127-18-4	Tetrachloroethene		10	U
108-88-3	Toluene		10	U
79-34-5	1,1,2,2-Tetrachloroethane		10	U
108-90-7	Chlorobenzene		10	U
100-41-4	Ethylbenzene		2	J
100-42-5	Styrene		10	U
1330-20-7	Total Xylenes		10	U
75-71-8	Dichlorodifluoromethane		10	U
75-69-4	Trichlorofluoromethane		10	U

MW-6A

Lab Name: STL Buffalo

Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) WATER

Lab Sample ID: A5D40013

Sample wt/vol: 5.00 (g/mL) ML

Lab File ID: Q9073.RR

Level: (low/med) LOW

Date Samp/Recv: 11/22/2005 11/23/2005

% Moisture: not dec. _____ Heated Purge: N

Date Analyzed: 11/29/2005

GC Column: DB-624 ID: 0.25 (mm)

Dilution Factor: 1.00

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS:		Q
		(ug/L or ug/Kg)	UG/L	
76-13-1-----	1,1,2-Trichloro-1,2,2-trifluoroethane	10	U	
156-60-5-----	trans-1,2-Dichloroethene	10	U	
1634-04-4-----	Methyl-t-Butyl Ether (MTBE)	10	U	
156-59-2-----	cis-1,2-Dichloroethene	10	U	
110-82-7-----	Cyclohexane	10	U	
108-87-2-----	Methylcyclohexane	10	U	
106-93-4-----	1,2-Dibromomethane	10	U	
98-82-8-----	Isopropylbenzene	2	J	
541-73-1-----	1,3-Dichlorobenzene	10	U	
106-46-7-----	1,4-Dichlorobenzene	10	U	
95-50-1-----	1,2-Dichlorobenzene	10	U	
96-12-8-----	1,2-Dibromo-3-chloropropane	10	U	
120-82-1-----	1,2,4-Trichlorobenzene	10	U	
79-20-9-----	Methyl acetate	10	U	

MW-6A

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) WATER Lab Sample ID: A5D40013

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: Q9073.RR

Level: (low/med) LOW Date Samp/Recv: 11/22/2005 11/23/2005

% Moisture: not dec. _____ Date Analyzed: 11/29/2005

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

Number TICs found: 2 CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

CAS NO.	Compound Name	RT	Est. Conc.	Q
1.	UNKNOWN ALCOHOL	3.69	17	J
2.	UNKNOWN	10.32	6	J

MW-6B

Lab Name: STL Buffalo Contract: _____Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____Matrix: (soil/water) WATER Lab Sample ID: A5D40014Sample wt/vol: 5.00 (g/mL) ML Lab File ID: Q9072.RRLevel: (low/med) LOW Date Samp/Recv: 11/22/2005 11/23/2005% Moisture: not dec. _____ Heated Purge: N Date Analyzed: 11/29/2005GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/L Q

74-87-3-----	Chloromethane	10	U
74-83-9-----	Bromomethane	10	U
75-01-4-----	Vinyl chloride	10	U
75-00-3-----	Chloroethane	10	U
75-09-2-----	Methylene chloride	10	U
67-64-1-----	Acetone	10	U
75-15-0-----	Carbon Disulfide	10	U
75-35-4-----	1,1-Dichloroethene	10	U
75-34-3-----	1,1-Dichloroethane	10	U
67-66-3-----	Chloroform	10	U
107-06-2-----	1,2-Dichloroethane	10	U
78-93-3-----	2-Butanone	10	U
71-55-6-----	1,1,1-Trichloroethane	10	U
56-23-5-----	Carbon Tetrachloride	10	U
75-27-4-----	Bromodichloromethane	10	U
78-87-5-----	1,2-Dichloropropane	10	U
10061-01-5----	cis-1,3-Dichloropropene	10	U
79-01-6-----	Trichloroethene	10	U
124-48-1-----	Dibromochloromethane	10	U
79-00-5-----	1,1,2-Trichloroethane	10	U
71-43-2-----	Benzene	10	U
10061-02-6----	trans-1,3-Dichloropropene	10	U
75-25-2-----	Bromoform	10	U
108-10-1-----	4-Methyl-2-pentanone	10	U
591-78-6-----	2-Hexanone	10	U
127-18-4-----	Tetrachloroethene	10	U
108-88-3-----	Toluene	10	U
79-34-5-----	1,1,2,2-Tetrachloroethane	10	U
108-90-7-----	Chlorobenzene	10	U
100-41-4-----	Ethylbenzene	10	U
100-42-5-----	Styrene	10	U
1330-20-7-----	Total Xylenes	10	U
75-71-8-----	Dichlorodifluoromethane	10	U
75-69-4-----	Trichlorofluoromethane	10	U

DELTA - AQ - ASP 2000/8260 - TCL VOLATILES
ANALYSIS DATA SHEET

46/1432

Client No.

MW-6B

Lab Name: STL Buffalo

Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) WATER

Lab Sample ID: A5D40014

Sample wt/vol: 5.00 (g/mL) ML

Lab File ID: Q9072.RR

Level: (low/med) LOW

Date Samp/Recv: 11/22/2005 11/23/2005

% Moisture: not dec. _____ Heated Purge: N

Date Analyzed: 11/29/2005

GC Column: DB-624 ID: 0.25 (mm)

Dilution Factor: 1.00

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS:	
		(ug/L or ug/Kg)	UG/L
76-13-1-----	1,1,2-Trichloro-1,2,2-trifluoroethane	10	U
156-60-5-----	trans-1,2-Dichloroethene	10	U
1634-04-4-----	Methyl-t-Butyl Ether (MTBE)	10	U
156-59-2-----	cis-1,2-Dichloroethene	10	U
110-82-7-----	Cyclohexane	10	U
108-87-2-----	Methylcyclohexane	10	U
106-93-4-----	1,2-Dibromomethane	10	U
98-82-8-----	Isopropylbenzene	10	U
541-73-1-----	1,3-Dichlorobenzene	10	U
106-46-7-----	1,4-Dichlorobenzene	10	U
95-50-1-----	1,2-Dichlorobenzene	10	U
96-12-8-----	1,2-Dibromo-3-chloropropane	10	U
120-82-1-----	1,2,4-Trichlorobenzene	10	U
79-20-9-----	Methyl acetate	10	U

DELTA - AQ - ASP 2000/8260 - TCL VOLATILES
TENTATIVELY IDENTIFIED COMPOUNDS

47/1432

Client No.

MW-6B

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) WATER Lab Sample ID: A5D40014

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: Q9072.RR

Level: (low/med) LOW Date Samp/Recv: 11/22/2005 11/23/2005

% Moisture: not dec. _____ Date Analyzed: 11/29/2005

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

Number TICs found: 0 CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

CAS NO.	Compound Name	RT	Est. Conc.	Q

DELTA - AQ - ASP 2000/8260 - TCL VOLATILES
ANALYSIS DATA SHEET

48/1432

Client No.

MW-8A

Lab Name: STL Buffalo

Contract: _____

Lab Code: RECNY

Case No.: _____

SAS No.: _____

SDG No.: _____

Matrix: (soil/water) WATER

Lab Sample ID: A5D40009

Sample wt/vol: 5.00 (g/mL) ML

Lab File ID: Q9079.RR

Level: (low/med) LOW

Date Samp/Recv: 11/22/2005 11/23/2005

% Moisture: not dec. _____ Heated Purge: N

Date Analyzed: 11/29/2005

GC Column: DB-624 ID: 0.25 (mm)

Dilution Factor: 1.00

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

CAS NO. COMPOUND CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L Q

74-87-3-----	Chloromethane	10	U
74-83-9-----	Bromomethane	10	U
75-01-4-----	Vinyl chloride	10	U
75-00-3-----	Chloroethane	10	U
75-09-2-----	Methylene chloride	10	U
67-64-1-----	Acetone	10	U
75-15-0-----	Carbon Disulfide	10	U
75-35-4-----	1,1-Dichloroethene	10	U
75-34-3-----	1,1-Dichloroethane	10	U
67-66-3-----	Chloroform	10	U
107-06-2-----	1,2-Dichloroethane	10	U
78-93-3-----	2-Butanone	10	U
71-55-6-----	1,1,1-Trichloroethane	10	U
56-23-5-----	Carbon Tetrachloride	10	U
75-27-4-----	Bromodichloromethane	10	U
78-87-5-----	1,2-Dichloropropane	10	U
10061-01-5----	cis-1,3-Dichloropropene	10	U
79-01-6-----	Trichloroethene	10	U
124-48-1-----	Dibromochloromethane	10	U
79-00-5-----	1,1,2-Trichloroethane	10	U
71-43-2-----	Benzene	10	U
10061-02-6----	trans-1,3-Dichloropropene	10	U
75-25-2-----	Bromoform	10	U
108-10-1-----	4-Methyl-2-pentanone	10	U
591-78-6-----	2-Hexanone	10	U
127-18-4-----	Tetrachloroethene	10	U
108-88-3-----	Toluene	10	U
79-34-5-----	1,1,2,2-Tetrachloroethane	10	U
108-90-7-----	Chlorobenzene	10	U
100-41-4-----	Ethylbenzene	10	U
100-42-5-----	Styrene	10	U
1330-20-7-----	Total Xylenes	10	U
75-71-8-----	Dichlorodifluoromethane	10	U
75-69-4-----	Trichlorofluoromethane	10	U

DELTA - AQ - ASP 2000/8260 - TCL VOLATILES
ANALYSIS DATA SHEET

49/1432

Client No.

MW-8A

Lab Name: STL Buffalo

Contract: _____

Lab Code: REONY Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) WATER

Lab Sample ID: A5D40009

Sample wt/vol: 5.00 (g/mL) ML

Lab File ID: Q9079.RR

Level: (low/med) LOW

Date Samp/Recv: 11/22/2005 11/23/2005

% Moisture: not dec. _____ Heated Purge: N

Date Analyzed: 11/29/2005

GC Column: DB-624 ID: 0.25 (mm)

Dilution Factor: 1.00

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS:		Q
		(ug/L or ug/Kg)	UG/L	
76-13-1-----	1,1,2-Trichloro-1,2,2-trifluoroethane	10		U
156-60-5-----	trans-1,2-Dichloroethene	10		U
1634-04-4-----	Methyl-t-Butyl Ether (MTBE)	10		U
156-59-2-----	cis-1,2-Dichloroethene	10		U
110-82-7-----	Cyclohexane	10		U
108-87-2-----	Methylcyclohexane	10		U
106-93-4-----	1,2-Dibromoethane	10		U
98-82-8-----	Isopropylbenzene	10		U
541-73-1-----	1,3-Dichlorobenzene	10		U
106-46-7-----	1,4-Dichlorobenzene	10		U
95-50-1-----	1,2-Dichlorobenzene	10		U
96-12-8-----	1,2-Dibromo-3-chloropropane	10		U
120-82-1-----	1,2,4-Trichlorobenzene	10		U
79-20-9-----	Methyl acetate	10		U

MW-8A

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNV Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) WATER Lab Sample ID: A5D40009

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: Q9079.RR

Level: (low/med) LOW Date Samp/Recv: 11/22/2005 11/23/2005

% Moisture: not dec. _____ Date Analyzed: 11/29/2005

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

Number TICs found: 0 CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

CAS NO.	Compound Name	RT	Est. Conc.	Q

MW-8B

Lab Name: STL Buffalo

Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) WATER

Lab Sample ID: A5D40010

Sample wt/vol: 5.00 (g/mL) ML

Lab File ID: Q9078.RR

Level: (low/med) LOW

Date Samp/Recv: 11/22/2005 11/23/2005

% Moisture: not dec. _____ Heated Purge: N

Date Analyzed: 11/29/2005

GC Column: DB-624 ID: 0.25 (mm)

Dilution Factor: 1.00

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND	Q
74-87-3	Chloromethane	U
74-83-9	Bromomethane	U
75-01-4	Vinyl chloride	U
75-00-3	Chloroethane	U
75-09-2	Methylene chloride	U
67-64-1	Acetone	U
75-15-0	Carbon Disulfide	U
75-35-4	1,1-Dichloroethene	U
75-34-3	1,1-Dichloroethane	U
67-66-3	Chloroform	U
107-06-2	1,2-Dichloroethane	U
78-93-3	2-Butanone	U
71-55-6	1,1,1-Trichloroethane	U
56-23-5	Carbon Tetrachloride	U
75-27-4	Bromodichloromethane	U
78-87-5	1,2-Dichloropropane	U
10061-01-5	cis-1,3-Dichloropropene	U
79-01-6	Trichloroethene	U
124-48-1	Dibromochloromethane	U
79-00-5	1,1,2-Trichloroethane	U
71-43-2	Benzene	U
10061-02-6	trans-1,3-Dichloropropene	U
75-25-2	Bromoform	U
108-10-1	4-Methyl-2-pentanone	U
591-78-6	2-Hexanone	U
127-18-4	Tetrachloroethene	U
108-88-3	Toluene	U
79-34-5	1,1,2,2-Tetrachloroethane	U
108-90-7	Chlorobenzene	U
100-41-4	Ethylbenzene	U
100-42-5	Styrene	U
1330-20-7	Total Xylenes	U
75-71-8	Dichlorodifluoromethane	U
75-69-4	Trichlorofluoromethane	U

DELTA - AQ - ASP 2000/8260 - TCL VOLATILES
ANALYSIS DATA SHEET

52/1432

Client No.

MW-8B

Lab Name: STL Buffalo

Contract: _____

Lab Code: RECNY

Case No.: _____

SAS No.: _____

SDG No.: _____

Matrix: (soil/water) WATER

Lab Sample ID: A5D40010

Sample wt/vol: 5.00 (g/mL) ML

Lab File ID: Q9078.RR

Level: (low/med) LOW

Date Samp/Recv: 11/22/2005 11/23/2005

% Moisture: not dec. _____ Heated Purge: N

Date Analyzed: 11/29/2005

GC Column: DB-624 ID: 0.25 (mm)

Dilution Factor: 1.00

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

CAS NO. COMPOUND CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L Q

76-13-1-----	1,1,2-Trichloro-1,2,2-trifluoroethane	10	U
156-60-5-----	trans-1,2-Dichloroethene	10	U
1634-04-4-----	Methyl-t-Butyl Ether (MTBE)	10	U
156-59-2-----	cis-1,2-Dichloroethene	10	U
110-82-7-----	Cyclohexane	10	U
108-87-2-----	Methylcyclohexane	10	U
106-93-4-----	1,2-Dibromoethane	10	U
98-82-8-----	Isopropylbenzene	10	U
541-73-1-----	1,3-Dichlorobenzene	10	U
106-46-7-----	1,4-Dichlorobenzene	10	U
95-50-1-----	1,2-Dichlorobenzene	10	U
96-12-8-----	1,2-Dibromo-3-chloropropane	10	U
120-82-1-----	1,2,4-Trichlorobenzene	10	U
79-20-9-----	Methyl acetate	10	U

DELTA - AQ - ASP 2000/8260 - TCL VOLATILES
TENTATIVELY IDENTIFIED COMPOUNDS

53/1432

Client No.

MW-8B

Lab Name: STL Buffalo

Contract: _____

Lab Code: RECNV Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) WATER

Lab Sample ID: A5D40010

Sample wt/vol: 5.00 (g/mL) ML

Lab File ID: Q9078.RR

Level: (low/med) LOW

Date Samp/Recv: 11/22/2005 11/23/2005

% Moisture: not dec. _____

Date Analyzed: 11/29/2005

GC Column: DB-624 ID: 0.25 (mm)

Dilution Factor: 1.00

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

Number TICs found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

CAS NO.	Compound Name	RT	Est. Conc.	Q

DELTA - AQ - ASP 2000/8260 - TCL VOLATILES
ANALYSIS DATA SHEET

54/1432

Client No.

MW-9A

Lab Name: STL Buffalo

Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) WATER

Lab Sample ID: A5D40011

Sample wt/vol: 5.00 (g/mL) ML

Lab File ID: Q9077.RR

Level: (low/med) LOW

Date Samp/Recv: 11/22/2005 11/23/2005

% Moisture: not dec. _____ Heated Purge: N

Date Analyzed: 11/29/2005

GC Column: DB-624 ID: 0.25 (mm)

Dilution Factor: 1.00

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/L Q

74-87-3-----	Chloromethane	10	U
74-83-9-----	Bromomethane	10	U
75-01-4-----	Vinyl chloride	10	U
75-00-3-----	Chloroethane	10	U
75-09-2-----	Methylenè chloride	10	U
67-64-1-----	Acetone	10	U
75-15-0-----	Carbon Disulfide	10	U
75-35-4-----	1,1-Dichloroethene	10	U
75-34-3-----	1,1-Dichloroethane	10	U
67-66-3-----	Chloroform	10	U
107-06-2-----	1,2-Dichloroethane	10	U
78-93-3-----	2-Butanone	10	U
71-55-6-----	1,1,1-Trichloroethane	10	U
56-23-5-----	Carbon Tetrachloride	10	U
75-27-4-----	Bromodichloromethane	10	U
78-87-5-----	1,2-Dichloropropane	10	U
10061-01-5----	cis-1,3-Dichloropropene	10	U
79-01-6-----	Trichloroethene	10	U
124-48-1-----	Dibromochloromethane	10	U
79-00-5-----	1,1,2-Trichloroethane	10	U
71-43-2-----	Benzene	10	U
10061-02-6----	trans-1,3-Dichloropropene	10	U
75-25-2-----	Bromoform	10	U
108-10-1-----	4-Methyl-2-pentanone	10	U
591-78-6-----	2-Hexanone	10	U
127-18-4-----	Tetrachloroethene	10	U
108-88-3-----	Toluene	10	U
79-34-5-----	1,1,2,2-Tetrachloroethane	10	U
108-90-7-----	Chlorobenzene	10	U
100-41-4-----	Ethylbenzene	10	U
100-42-5-----	Styrene	10	U
1330-20-7-----	Total Xylenes	10	U
75-71-8-----	Dichlorodifluoromethane	10	U
75-69-4-----	Trichlorofluoromethane	10	U

DELTA - AQ - ASP 2000/8260 - TCL VOLATILES
ANALYSIS DATA SHEET

55/1432

Client No.

MW-9A

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) WATER Lab Sample ID: A5D40011

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: Q9077.RR

Level: (low/med) LOW Date Samp/Recv: 11/22/2005 11/23/2005

% Moisture: not dec. _____ Heated Purge: N Date Analyzed: 11/29/2005

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/L Q

76-13-1-----	1,1,2-Trichloro-1,2,2-trifluoroethane	10	U
156-60-5-----	trans-1,2-Dichloroethene	10	U
1634-04-4-----	Methyl-t-Butyl Ether (MTBE)	10	U
156-59-2-----	cis-1,2-Dichloroethene	10	U
110-82-7-----	Cyclohexane	10	U
108-87-2-----	Methylcyclohexane	10	U
106-93-4-----	1,2-Dibromoethane	10	U
98-82-8-----	Isopropylbenzene	10	U
541-73-1-----	1,3-Dichlorobenzene	10	U
106-46-7-----	1,4-Dichlorobenzene	10	U
95-50-1-----	1,2-Dichlorobenzene	10	U
96-12-8-----	1,2-Dibromo-3-chloropropane	10	U
120-82-1-----	1,2,4-Trichlorobenzene	10	U
79-20-9-----	Methyl acetate	10	U

DELTA - AQ - ASP 2000/8260 - TCL VOLATILES
TENTATIVELY IDENTIFIED COMPOUNDS

56/1432

Client No.

MW-9A

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) WATER Lab Sample ID: A5D40011

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: Q9077.RR

Level: (low/med) LOW Date Samp/Recv: 11/22/2005 11/23/2005

% Moisture: not dec. _____ Date Analyzed: 11/29/2005

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

Number TICs found: 0 CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

CAS NO.	Compound Name	RT	Est. Conc.	Q

MW-9B

Lab Name: STL Buffalo Contract: _____Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____Matrix: (soil/water) WATER Lab Sample ID: A5D40012Sample wt/vol: 5.00 (g/mL) ML Lab File ID: Q9074.RRLevel: (low/med) LOW Date Samp/Recv: 11/22/2005 11/23/2005% Moisture: not dec. _____ Heated Purge: N Date Analyzed: 11/29/2005GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS:		Q
		(ug/L or ug/Kg)	UG/L	
74-87-3-----	Chloromethane	10	U	
74-83-9-----	Bromomethane	10	U	
75-01-4-----	Vinyl chloride	10	U	
75-00-3-----	Chloroethane	10	U	
75-09-2-----	Methylene chloride	10	U	
67-64-1-----	Acetone	10	U	
75-15-0-----	Carbon Disulfide	10	U	
75-35-4-----	1,1-Dichloroethene	10	U	
75-34-3-----	1,1-Dichloroethane	10	U	
67-66-3-----	Chloroform	10	U	
107-06-2-----	1,2-Dichloroethane	10	U	
78-93-3-----	2-Butanone	10	U	
71-55-6-----	1,1,1-Trichloroethane	10	U	
56-23-5-----	Carbon Tetrachloride	10	U	
75-27-4-----	Bromodichloromethane	10	U	
78-87-5-----	1,2-Dichloropropane	10	U	
10061-01-5----	cis-1,3-Dichloropropene	10	U	
79-01-6-----	Trichloroethene	10	U	
124-48-1-----	Dibromochloromethane	10	U	
79-00-5-----	1,1,2-Trichloroethane	10	U	
71-43-2-----	Benzene	10	U	
10061-02-6----	trans-1,3-Dichloropropene	10	U	
75-25-2-----	Bromoform	10	U	
108-10-1-----	4-Methyl-2-pentanone	10	U	
591-78-6-----	2-Hexanone	10	U	
127-18-4-----	Tetrachloroethene	10	U	
108-88-3-----	Toluene	10	U	
79-34-5-----	1,1,2,2-Tetrachloroethane	10	U	
108-90-7-----	Chlorobenzene	10	U	
100-41-4-----	Ethylbenzene	10	U	
100-42-5-----	Styrene	10	U	
1330-20-7-----	Total Xylenes	10	U	
75-71-8-----	Dichlorodifluoromethane	10	U	
75-69-4-----	Trichlorofluoromethane	10	U	

DELTA - AQ - ASP 2000/8260 - TCL VOLATILES
ANALYSIS DATA SHEET

58/1432

Client No.

MW-9B

Lab Name: STL Buffalo

Contract: _____

Lab Code: RECNY

Case No.: _____

SAS No.: _____

SDG No.: _____

Matrix: (soil/water) WATER

Lab Sample ID: A5D40012

Sample wt/vol: 5.00 (g/mL) ML

Lab File ID: Q9074.RR

Level: (low/med) LOW

Date Samp/Recv: 11/22/2005 11/23/2005

% Moisture: not dec. _____ Heated Purge: N

Date Analyzed: 11/29/2005

GC Column: DB-624 ID: 0.25 (mm)

Dilution Factor: 1.00

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS:	
		(ug/L or ug/Kg)	UG/L
76-13-1-----	1,1,2-Trichloro-1,2,2-trifluoroethane	10	U
156-60-5-----	trans-1,2-Dichloroethene	10	U
1634-04-4-----	Methyl-t-Butyl Ether (MTBE)	10	U
156-59-2-----	cis-1,2-Dichloroethene	10	U
110-82-7-----	Cyclohexane	10	U
108-87-2-----	Methylcyclohexane	10	U
106-93-4-----	1,2-Dibromoethane	10	U
98-82-8-----	Isopropylbenzene	10	U
541-73-1-----	1,3-Dichlorobenzene	10	U
106-46-7-----	1,4-Dichlorobenzene	10	U
95-50-1-----	1,2-Dichlorobenzene	10	U
96-12-8-----	1,2-Dibromo-3-chloropropane	10	U
120-82-1-----	1,2,4-Trichlorobenzene	10	U
79-20-9-----	Methyl acetate	10	U

DELTA - AQ - ASP 2000/8260 - TCL VOLATILES
TENTATIVELY IDENTIFIED COMPOUNDS

59/1432

Client No.

MW-9B

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) WATER Lab Sample ID: A5D40012

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: Q9074.RR

Level: (low/med) LOW Date Samp/Recv: 11/22/2005 11/23/2005

% Moisture: not dec. _____ Date Analyzed: 11/29/2005

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

Number TICs found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

CAS NO.	Compound Name	RT	Est. Conc.	Q

DELTA - AQ - ASP 2000/8260 - TCL VOLATILES
ANALYSIS DATA SHEET

60/1432

Client No.

Lab Name: STL Buffalo

Contract: _____

TRIP BLANK

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) WATER

Lab Sample ID: A5D40015

Sample wt/vol: 5.00 (g/mL) ML

Lab File ID: Q9064.RR

Level: (low/med) LOW

Date Samp/Recv: 11/22/2005 11/23/2005

% Moisture: not dec. _____ Heated Purge: N

Date Analyzed: 11/29/2005

GC Column: DB-624 ID: 0.25 (mm)

Dilution Factor: 1.00

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS:	
		(ug/L or ug/Kg)	UG/L Q
74-87-3	-----Chloromethane	10	U
74-83-9	-----Bromomethane	10	U
75-01-4	-----Vinyl chloride	10	U
75-00-3	-----Chloroethane	10	U
75-09-2	-----Methylene chloride	10	U
67-64-1	-----Acetone	10	U
75-15-0	-----Carbon Disulfide	10	U
75-35-4	-----1,1-Dichloroethene	10	U
75-34-3	-----1,1-Dichloroethane	10	U
67-66-3	-----Chloroform	10	U
107-06-2	-----1,2-Dichloroethane	10	U
78-93-3	-----2-Butanone	10	U
71-55-6	-----1,1,1-Trichloroethane	10	U
56-23-5	-----Carbon Tetrachloride	10	U
75-27-4	-----Bromodichloromethane	10	U
78-87-5	-----1,2-Dichloropropane	10	U
10061-01-5	-----cis-1,3-Dichloropropene	10	U
79-01-6	-----Trichloroethene	10	U
124-48-1	-----Dibromochloromethane	10	U
79-00-5	-----1,1,2-Trichloroethane	10	U
71-43-2	-----Benzene	10	U
10061-02-6	-----trans-1,3-Dichloropropene	10	U
75-25-2	-----Bromoform	10	U
108-10-1	-----4-Methyl-2-pentanone	10	U
591-78-6	-----2-Hexanone	10	U
127-18-4	-----Tetrachloroethene	10	U
108-88-3	-----Toluene	10	U
79-34-5	-----1,1,2,2-Tetrachloroethane	10	U
108-90-7	-----Chlorobenzene	10	U
100-41-4	-----Ethylbenzene	10	U
100-42-5	-----Styrene	10	U
1330-20-7	-----Total Xylenes	10	U
75-71-8	-----Dichlorodifluoromethane	10	U
75-69-4	-----Trichlorofluoromethane	10	U

TRIP BLANK

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) WATER Lab Sample ID: A5D40015

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: Q9064.RR

Level: (low/med) LOW Date Samp/Recv: 11/22/2005 11/23/2005

% Moisture: not dec. _____ Heated Purge: N Date Analyzed: 11/29/2005

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS:	
		(ug/L or ug/Kg)	UG/L
76-13-1-----	1,1,2-Trichloro-1,2,2-trifluoroethane	10	U
156-60-5-----	trans-1,2-Dichloroethene	10	U
1634-04-4----	Methyl-t-Butyl Ether (MTBE)	10	U
156-59-2-----	cis-1,2-Dichloroethene	10	U
110-82-7-----	Cyclohexane	10	U
108-87-2-----	Methylcyclohexane	10	U
106-93-4-----	1,2-Dibromoethane	10	U
98-82-8-----	Isopropylbenzene	10	U
541-73-1-----	1,3-Dichlorobenzene	10	U
106-46-7-----	1,4-Dichlorobenzene	10	U
95-50-1-----	1,2-Dichlorobenzene	10	U
96-12-8-----	1,2-Dibromo-3-chloropropane	10	U
120-82-1-----	1,2,4-Trichlorobenzene	10	U
79-20-9-----	Methyl acetate	10	U

DELTA - AQ - ASP 2000/8260 - TCL VOLATILES
TENTATIVELY IDENTIFIED COMPOUNDS

62/1432

Client No.

TRIP BLANK

Lab Name: STL Buffalo

Contract: _____

Lab Code: RECNY

Case No.: _____

SAS No.: _____

SDG No.: _____

Matrix: (soil/water) WATER

Lab Sample ID: A5D40015

Sample wt/vol: 5.00 (g/mL) ML

Lab File ID: Q9064.RR

Level: (low/med) LOW

Date Samp/Recv: 11/22/2005 11/23/2005

% Moisture: not dec. _____

Date Analyzed: 11/29/2005

GC Column: DB-624 ID: 0.25 (mm)

Dilution Factor: 1.00

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

Number TICs found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

CAS NO.	Compound Name	RT	Est. Conc.	Q

ASP 2000 - METHOD 8270 SEMIVOLATILES
ANALYSIS DATA SHEET

63/1432

Client No.

Lab Name: STL Buffalo

Contract: _____

MW-11A

Lab Code: RECNV

Case No.: _____

SAS No.: _____

SDG No.: _____

Matrix: (soil/water) WATER

Lab Sample ID: A5D40001

Sample wt/vol: 1010.0 (g/mL) ML

Lab File ID: W06808.RR

Level: (low/med) LOW

Date Samp/Recv: 11/21/2005 11/23/2005

% Moisture: _____ decanted: (Y/N) N

Date Extracted: 11/28/2005

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 12/01/2005

Injection Volume: 2.00 (uL)

Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 7.0

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/L Q

100-52-7-----	Benzaldehyde	10	U
108-95-2-----	Phenol	10	U
111-44-4-----	Bis(2-chloroethyl) ether	10	U
95-57-8-----	2-Chlorophenol	10	U
95-48-7-----	2-Methylphenol	10	U
108-60-1-----	2,2'-Oxybis(1-Chloropropane)	10	U
98-86-2-----	Acetophenone	10	U
106-44-5-----	4-Methylphenol	10	U
621-64-7-----	N-Nitroso-Di-n-propylamine	10	U
67-72-1-----	Hexachloroethane	10	U
98-95-3-----	Nitrobenzene	10	U
78-59-1-----	Isophorone	10	U
88-75-5-----	2-Nitrophenol	10	U
105-67-9-----	2,4-Dimethylphenol	10	U
111-91-1-----	Bis(2-chloroethoxy) methane	10	U
120-83-2-----	2,4-Dichlorophenol	10	U
91-20-3-----	Naphthalene	10	U
106-47-8-----	4-Chloroaniline	10	U
87-68-3-----	Hexachlorobutadiene	10	U
105-60-2-----	Caprolactam	10	U
59-50-7-----	4-Chloro-3-methylphenol	10	U
91-57-6-----	2-Methylnaphthalene	10	U
77-47-4-----	Hexachlorocyclopentadiene	25	U
88-06-2-----	2,4,6-Trichlorophenol	10	U
95-95-4-----	2,4,5-Trichlorophenol	10	U
92-52-4-----	Biphenyl	10	U
91-58-7-----	2-Chloronaphthalene	10	U
88-74-4-----	2-Nitroaniline	25	U
131-11-3-----	Dimethyl phthalate	10	U
208-96-8-----	Acenaphthylene	10	U
606-20-2-----	2,6-Dinitrotoluene	10	U
99-09-2-----	3-Nitroaniline	25	U

ASP 2000 - METHOD 8270 SEMIVOLATILES
ANALYSIS DATA SHEET

Client No.

Lab Name: STL Buffalo

Contract: _____

MW-11A

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____Matrix: (soil/water) WATERLab Sample ID: A5D40001Sample wt/vol: 1010.0 (g/mL) MLLab File ID: W06808.RRLevel: (low/med) LOWDate Samp/Recv: 11/21/2005 11/23/2005% Moisture: _____ decanted: (Y/N) NDate Extracted: 11/28/2005Concentrated Extract Volume: 1000 (uL)Date Analyzed: 12/01/2005Injection Volume: 2.00 (uL)Dilution Factor: 1.00GPC Cleanup: (Y/N) N pH: 7.0

CONCENTRATION UNITS:

CAS NO. COMPOUND

(ug/L or ug/Kg)

UG/L

Q

83-32-9-----	Acenaphthene	0.8	J
51-28-5-----	2,4-Dinitrophenol	25	U
100-02-7-----	4-Nitrophenol	25	U
132-64-9-----	Dibenzofuran	10	U
121-14-2-----	2,4-Dinitrotoluene	10	U
84-66-2-----	Diethyl phthalate	10	U
7005-72-3-----	4-Chlorophenyl phenyl ether	10	U
86-73-7-----	Fluorene	10	U
100-01-6-----	4-Nitroaniline	25	U
534-52-1-----	4,6-Dinitro-2-methylphenol	25	U
86-30-6-----	N-nitrosodiphenylamine	10	U
101-55-3-----	4-Bromophenyl phenyl ether	10	U
118-74-1-----	Hexachlorobenzene	10	U
1912-24-9-----	Atrazine	10	U
87-86-5-----	Pentachlorophenol	25	U
85-01-8-----	Phenanthrene	1	J
120-12-7-----	Anthracene	0.6	J
86-74-8-----	Carbazole	10	U
84-74-2-----	Di-n-butyl phthalate	10	U
206-44-0-----	Fluoranthene	10	U
129-00-0-----	Pyrene	10	U
85-68-7-----	Butyl benzyl phthalate	10	U
91-94-1-----	3,3'-Dichlorobenzidine	10	U
56-55-3-----	Benzo (a) anthracene	10	U
218-01-9-----	Chrysene	10	U
117-81-7-----	Bis (2-ethylhexyl) phthalate	10	U
117-84-0-----	Di-n-octyl phthalate	10	U
205-99-2-----	Benzo (b) fluoranthene	10	U
207-08-9-----	Benzo (k) fluoranthene	10	U
50-32-8-----	Benzo (a) pyrene	10	U
193-39-5-----	Indeno (1,2,3-cd) pyrene	10	U
53-70-3-----	Dibenzo (a,h) anthracene	10	U

ASP 2000 - METHOD 8270 SEMIVOLATILES
ANALYSIS DATA SHEET

65/1432

Client No.

MW-11A

Lab Name: STL Buffalo

Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) WATER

Lab Sample ID: A5D40001

Sample wt/vol: 1010.0 (g/mL) ML

Lab File ID: W06808.RR

Level: (low/med) LOW

Date Samp/Recv: 11/21/2005 11/23/2005

% Moisture: _____ decanted: (Y/N) N

Date Extracted: 11/28/2005

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 12/01/2005

Injection Volume: 2.00 (uL)

Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 7.0

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/L	Q
191-24-2-----	Benzo (ghi) perylene		10	U

ASP 2000 - METHOD 8270 SEMIVOLATILES
TENTATIVELY IDENTIFIED COMPOUNDS

Client No.

Lab Name: STL Buffalo

Contract: _____

MW-11A

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____Matrix: (soil/water) WATERLab Sample ID: A5D40001Sample wt/vol: 1010.0 (g/mL) MLLab File ID: W06808.RRLevel: (low/med) LOWDate Samp/Recv: 11/21/2005 11/23/2005% Moisture: _____ decanted: (Y/N) NDate Extracted: 11/28/2005Concentrated Extract Volume: 1000 (uL)Date Analyzed: 12/01/2005Injection Volume: 2.00 (uL)Dilution Factor: 1.00GPC Cleanup: (Y/N) N pH: 7.0Number TICs found: 30CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

CAS NO.	Compound Name	RT	Est. Conc.	Q
1. 78-40-0	TRIETHYL PHOSPHATE	7.72	25	JN
2. 3302-10-1	3,5,5-TRIMETHYL HEXANOIC ACI	7.90	15	JN
3.	UNKNOWN	8.78	30	J
4.	UNKNOWN	8.86	16	J
5.	UNKNOWN	8.91	13	J
6.	UNKNOWN	8.96	34	J
7.	UNKNOWN	9.02	17	J
8.	UNKNOWN	9.23	72	J
9.	UNKNOWN	9.36	16	J
10.	UNKNOWN	9.48	59	J
11.	UNKNOWN	9.55	11	J
12.	UNKNOWN	9.89	74	J
13.	UNKNOWN	9.92	12	J
14. 644-36-0	O-TOLYLACETIC ACID	9.99	56	JN
15.	UNKNOWN	10.11	28	J
16.	UNKNOWN	10.23	24	J
17. 2078-54-8	PROPOFOL	10.27	13	JN
18.	UNKNOWN PHENOL DERIVATIVE	10.40	100	J
19.	UNKNOWN	10.64	31	J
20. 6331-04-0	(2,4-XYLYL) ACETIC ACID	10.81	24	JN
21.	UNKNOWN	11.15	38	J
22.	UNKNOWN	11.20	12	J
23.	UNKNOWN	11.35	19	J

ASP 2000 - METHOD 8270 SEMIVOLATILES
TENTATIVELY IDENTIFIED COMPOUNDS

Client No.

MW-11A

Lab Name: STL Buffalo Contract: _____Lab Code: REONY Case No.: _____ SAS No.: _____ SDG No.: _____Matrix: (soil/water) WATERLab Sample ID: A5D40001Sample wt/vol: 1010.0 (g/mL) MLLab File ID: W06808.RRLevel: (low/med) LOWDate Samp/Recv: 11/21/2005 11/23/2005% Moisture: _____ decanted: (Y/N) NDate Extracted: 11/28/2005Concentrated Extract Volume: 1000 (uL)Date Analyzed: 12/01/2005Injection Volume: 2.00 (uL)Dilution Factor: 1.00GPC Cleanup: (Y/N) N pH: 7.0Number TICs found: 30CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

CAS NO.	Compound Name	RT	Est. Conc.	Q
24.	UNKNOWN ACETIC ACID DERIVATI	11.47	59	J
25.	UNKNOWN	11.56	12	J
26.	UNKNOWN ACETIC ACID DERIVATI	11.64	23	J
27.	UNKNOWN	12.03	21	J
28.	UNKNOWN PAH DERIVATIVE	12.40	31	J
29.	UNKNOWN INDENE DERIVATIVE	12.71	11	J
30. 112-84-5	(Z)-13-DOCOSENAMIDE	16.44	15	BJN

ASP 2000 - METHOD 8270 SEMIVOLATILES
ANALYSIS DATA SHEET

68/1432

Client No.

Lab Name: STL Buffalo

Contract: _____

MW-11B

Lab Code: RECONY Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) WATER

Lab Sample ID: ASD40002

Sample wt/vol: 1000.0 (g/mL) ML

Lab File ID: W06809.RR

Level: (low/med) LOW

Date Samp/Recv: 11/21/2005 11/23/2005

% Moisture: _____ decanted: (Y/N) N

Date Extracted: 11/28/2005

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 12/01/2005

Injection Volume: 2.00 (uL)

Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 7.0

CAS NO.	COMPOUND	CONCENTRATION UNITS:	
		(ug/L or ug/Kg)	UG/L
100-52-7-----	Benzaldehyde	10	U
108-95-2-----	Phenol	10	U
111-44-4-----	Bis(2-chloroethyl) ether	10	U
95-57-8-----	2-Chlorophenol	10	U
95-48-7-----	2-Methylphenol	10	U
108-60-1-----	2,2'-Oxybis(1-Chloropropane)	10	U
98-86-2-----	Acetophenone	10	U
106-44-5-----	4-Methylphenol	10	U
621-64-7-----	N-Nitroso-Di-n-propylamine	10	U
67-72-1-----	Hexachloroethane	10	U
98-95-3-----	Nitrobenzene	10	U
78-59-1-----	Isophorone	10	U
88-75-5-----	2-Nitrophenol	10	U
105-67-9-----	2,4-Dimethylphenol	10	U
111-91-1-----	Bis(2-chloroethoxy) methane	10	U
120-83-2-----	2,4-Dichlorophenol	10	U
91-20-3-----	Naphthalene	10	U
106-47-8-----	4-Chloroaniline	10	U
87-68-3-----	Hexachlorobutadiene	10	U
105-60-2-----	Caprolactam	10	U
59-50-7-----	4-Chloro-3-methylphenol	10	U
91-57-6-----	2-Methylnaphthalene	10	U
77-47-4-----	Hexachlorocyclopentadiene	25	U
88-06-2-----	2,4,6-Trichlorophenol	10	U
95-95-4-----	2,4,5-Trichlorophenol	10	U
92-52-4-----	Biphenyl	10	U
91-58-7-----	2-Chloronaphthalene	10	U
88-74-4-----	2-Nitroaniline	25	U
131-11-3-----	Dimethyl phthalate	10	U
208-96-8-----	Acenaphthylene	10	U
606-20-2-----	2,6-Dinitrotoluene	10	U
99-09-2-----	3-Nitroaniline	25	U

ASP 2000 - METHOD 8270 SEMIVOLATILES
 ANALYSIS DATA SHEET

Client No.

MW-11B

Lab Name: STL Buffalo Contract: _____Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____Matrix: (soil/water) WATER Lab Sample ID: A5D40002Sample wt/vol: 1000.0 (g/mL) ML Lab File ID: W06809.RRLevel: (low/med) LOW Date Samp/Recv: 11/21/2005 11/23/2005% Moisture: _____ decanted: (Y/N) N Date Extracted: 11/28/2005Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/01/2005Injection Volume: 2.00 (uL) Dilution Factor: 1.00GPC Cleanup: (Y/N) N pH: 7.0

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/L Q

83-32-9	Acenaphthene	10	U
51-28-5	2,4-Dinitrophenol	25	U
100-02-7	4-Nitrophenol	25	U
132-64-9	Dibenzofuran	10	U
121-14-2	2,4-Dinitrotoluene	10	U
84-66-2	Diethyl phthalate	10	U
7005-72-3	4-Chlorophenyl phenyl ether	10	U
86-73-7	Fluorene	10	U
100-01-6	4-Nitroaniline	25	U
534-52-1	4,6-Dinitro-2-methylphenol	25	U
86-30-6	N-nitrosodiphenylamine	10	U
101-55-3	4-Bromophenyl phenyl ether	10	U
118-74-1	Hexachlorobenzene	10	U
1912-24-9	Atrazine	10	U
87-86-5	Pentachlorophenol	25	U
85-01-8	Phenanthrene	10	U
120-12-7	Anthracene	10	U
86-74-8	Carbazole	10	U
84-74-2	Di-n-butyl phthalate	10	U
206-44-0	Fluoranthene	10	U
129-00-0	Pyrene	10	U
85-68-7	Butyl benzyl phthalate	10	U
91-94-1	3,3'-Dichlorobenzidine	10	U
56-55-3	Benzo (a) anthracene	10	U
218-01-9	Chrysene	10	U
117-81-7	Bis (2-ethylhexyl) phthalate	10	U
117-84-0	Di-n-octyl phthalate	10	U
205-99-2	Benzo (b) fluoranthene	10	U
207-08-9	Benzo (k) fluoranthene	10	U
50-32-8	Benzo (a) pyrene	10	U
193-39-5	Indeno (1,2,3-cd) pyrene	10	U
53-70-3	Dibenzo (a,h) anthracene	10	U

ASP 2000 - METHOD 8270 SEMIVOLATILES
ANALYSIS DATA SHEET

70/1432

Client No.

Lab Name: STL Buffalo

Contract: _____

MW-11B

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) WATER

Lab Sample ID: A5D40002

Sample wt/vol: 1000.0 (g/mL) ML

Lab File ID: W06809.RR

Level: (low/med) LOW

Date Samp/Recv: 11/21/2005 11/23/2005

% Moisture: _____ decanted: (Y/N) N

Date Extracted: 11/28/2005

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 12/01/2005

Injection Volume: 2.00 (uL)

Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 7.0

CAS NO.	COMPOUND	CONCENTRATION UNITS:	
		(ug/L or ug/Kg) <u>UG/L</u>	<u>Q</u>
191-24-2-----	Benzo(ghi)perylene	10	U

ASP 2000 - METHOD 8270 SEMIVOLATILES
TENTATIVELY IDENTIFIED COMPOUNDS

Client No.

MW-11B

Lab Name: SIL Buffalo Contract: _____Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____Matrix: (soil/water) WATER Lab Sample ID: A5D40002Sample wt/vol: 1000.0 (g/mL) ML Lab File ID: W06809.RRLevel: (low/med) LOW Date Samp/Recv: 11/21/2005 11/23/2005% Moisture: _____ decanted: (Y/N) N Date Extracted: 11/28/2005Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/01/2005Injection Volume: 2.00 (uL) Dilution Factor: 1.00GPC Cleanup: (Y/N) N pH: 7.0Number TICs found: 1CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

CAS NO.	Compound Name	RT	Est. Conc.	Q
1.	UNKNOWN AMIDE DERIVATIVE	16.43	10	BJ

ASP 2000 - METHOD 8270 SEMIVOLATILES
 ANALYSIS DATA SHEET

Client No.

Lab Name: STL Buffalo

Contract: _____

MW-11C

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____Matrix: (soil/water) WATERLab Sample ID: A5D40003Sample wt/vol: 990.00 (g/mL) MLLab File ID: W06810.RRLevel: (low/med) LOWDate Samp/Recv: 11/21/2005 11/23/2005% Moisture: _____ decanted: (Y/N) NDate Extracted: 11/28/2005Concentrated Extract Volume: 1000 (uL)Date Analyzed: 12/01/2005Injection Volume: 2.00 (uL)Dilution Factor: 1.00GPC Cleanup: (Y/N) N pH: 7.0

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/L Q

100-52-7	Benzaldehyde	10	U
108-95-2	Phenol	10	U
111-44-4	Bis(2-chloroethyl) ether	10	U
95-57-8	2-Chlorophenol	10	U
95-48-7	2-Methylphenol	10	U
108-60-1	2,2'-Oxybis(1-Chloropropane)	10	U
98-86-2	Acetophenone	10	U
106-44-5	4-Methylphenol	10	U
621-64-7	N-Nitroso-Di-n-propylamine	10	U
67-72-1	Hexachloroethane	10	U
98-95-3	Nitrobenzene	10	U
78-59-1	Isophorone	10	U
88-75-5	2-Nitrophenol	10	U
105-67-9	2,4-Dimethylphenol	10	U
111-91-1	Bis(2-chloroethoxy) methane	10	U
120-83-2	2,4-Dichlorophenol	10	U
91-20-3	Naphthalene	10	U
106-47-8	4-Chloroaniline	10	U
87-68-3	Hexachlorobutadiene	10	U
105-60-2	Caprolactam	10	U
59-50-7	4-Chloro-3-methylphenol	10	U
91-57-6	2-Methylnaphthalene	10	U
77-47-4	Hexachlorocyclopentadiene	25	U
88-06-2	2,4,6-Trichlorophenol	10	U
95-95-4	2,4,5-Trichlorophenol	10	U
92-52-4	Biphenyl	10	U
91-58-7	2-Chloronaphthalene	10	U
88-74-4	2-Nitroaniline	25	U
131-11-3	Dimethyl phthalate	10	U
208-96-8	Acenaphthylene	10	U
606-20-2	2,6-Dinitrotoluene	10	U
99-09-2	3-Nitroaniline	25	U

ASP 2000 - METHOD 8270 SEMIVOLATILES
 ANALYSIS DATA SHEET

Client No.

MW-11C

Lab Name: STL Buffalo

Contract: _____

Lab Code: RECNY

Case No.: _____

SAS No.: _____

SDG No.: _____

Matrix: (soil/water) WATERLab Sample ID: A5D40003Sample wt/vol: 990.00 (g/mL) MLLab File ID: W06810.RRLevel: (low/med) LOWDate Samp/Recv: 11/21/2005 11/23/2005% Moisture: _____ decanted: (Y/N) NDate Extracted: 11/28/2005Concentrated Extract Volume: 1000 (uL)Date Analyzed: 12/01/2005Injection Volume: 2.00 (uL)Dilution Factor: 1.00GPC Cleanup: (Y/N) N pH: 7.0

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/L Q

83-32-9-----	Acenaphthene	0.4	J
51-28-5-----	2,4-Dinitrophenol	25	U
100-02-7-----	4-Nitrophenol	25	U
132-64-9-----	Dibenzofuran	10	U
121-14-2-----	2,4-Dinitrotoluene	10	U
84-66-2-----	Diethyl phthalate	10	U
7005-72-3-----	4-Chlorophenyl phenyl ether	10	U
86-73-7-----	Fluorene	10	U
100-01-6-----	4-Nitroaniline	25	U
534-52-1-----	4,6-Dinitro-2-methylphenol	25	U
86-30-6-----	N-nitrosodiphenylamine	10	U
101-55-3-----	4-Bromophenyl phenyl ether	10	U
118-74-1-----	Hexachlorobenzene	10	U
1912-24-9-----	Atrazine	10	U
87-86-5-----	Pentachlorophenol	25	U
85-01-8-----	Phenanthrene	1	J
120-12-7-----	Anthracene	0.7	J
86-74-8-----	Carbazole	10	U
84-74-2-----	Di-n-butyl phthalate	10	U
206-44-0-----	Fluoranthene	10	U
129-00-0-----	Pyrene	10	U
85-68-7-----	Butyl benzyl phthalate	10	U
91-94-1-----	3,3'-Dichlorobenzidine	10	U
56-55-3-----	Benzo (a) anthracene	10	U
218-01-9-----	Chrysene	10	U
117-81-7-----	Bis (2-ethylhexyl) phthalate	10	U
117-84-0-----	Di-n-octyl phthalate	10	U
205-99-2-----	Benzo (b) fluoranthene	10	U
207-08-9-----	Benzo (k) fluoranthene	10	U
50-32-8-----	Benzo (a) pyrene	10	U
193-39-5-----	Indeno (1,2,3-cd) pyrene	10	U
53-70-3-----	Dibenzo (a,h) anthracene	10	U

ASP 2000 - METHOD 8270 SEMIVOLATILES
ANALYSIS DATA SHEET

74/1432

Client No.

Lab Name: STL Buffalo

Contract: _____

MW-11C

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) WATER

Lab Sample ID: A5D40003

Sample wt/vol: 990.00 (g/mL) ML

Lab File ID: W06810.RR

Level: (low/med) LOW

Date Samp/Recv: 11/21/2005 11/23/2005

% Moisture: _____ decanted: (Y/N) N

Date Extracted: 11/28/2005

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 12/01/2005

Injection Volume: 2.00 (uL)

Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 7.0

CAS NO.	COMPOUND	CONCENTRATION UNITS:	
		(ug/L or ug/Kg)	UG/L
191-24-2-----	Benzo(ghi)perylene	10	U

ASP 2000 - METHOD 8270 SEMIVOLATILES
TENTATIVELY IDENTIFIED COMPOUNDS

Client No.

MW-11C

Lab Name: STL Buffalo

Contract: _____

Lab Code: RECNY

Case No.: _____

SAS No.: _____

SDG No.: _____

Matrix: (soil/water) WATERLab Sample ID: A5D40003Sample wt/vol: 990.00 (g/mL) MLLab File ID: W06810.RRLevel: (low/med) LOWDate Samp/Recv: 11/21/2005 11/23/2005% Moisture: _____ decanted: (Y/N) NDate Extracted: 11/28/2005Concentrated Extract Volume: 1000 (uL)Date Analyzed: 12/01/2005Injection Volume: 2.00 (uL)Dilution Factor: 1.00GPC Cleanup: (Y/N) N pH: 7.0Number TICs found: 30

CONCENTRATION UNITS:

(ug/L or ug/Kg) UG/L

CAS NO.	Compound Name	RT	Est. Conc.	Q
1.	UNKNOWN	7.20	14	J
2. 78-40-0	TRIETHYL PHOSPHATE	7.72	22	JN
3.	UNKNOWN ACID	7.91	19	J
4.	UNKNOWN	8.29	27	J
5.	UNKNOWN	8.62	32	J
6.	UNKNOWN	8.78	68	J
7.	UNKNOWN	8.85	14	J
8.	UNKNOWN	8.90	11	J
9.	UNKNOWN	8.95	38	J
10.	UNKNOWN	9.01	15	J
11.	UNKNOWN	9.23	54	J
12.	UNKNOWN	9.34	13	J
13.	UNKNOWN	9.47	52	J
14.	UNKNOWN	9.77	42	J
15.	UNKNOWN	9.92	14	J
16.	UNKNOWN	10.22	22	J
17.	UNKNOWN	10.27	25	J
18.	UNKNOWN	10.40	87	J
19.	UNKNOWN	10.63	22	J
20.	UNKNOWN ACETIC ACID DERIVATI	10.81	18	J
21.	UNKNOWN	10.87	12	J
22.	UNKNOWN	10.90	10	J
23.	UNKNOWN	11.15	38	J

ASP 2000 - METHOD 8270 SEMIVOLATILES
TENTATIVELY IDENTIFIED COMPOUNDS

76/1432

Client No.

Lab Name: STL Buffalo

Contract: _____

MW-11C

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) WATER

Lab Sample ID: ASD40003

Sample wt/vol: 990.00 (g/mL) ML

Lab File ID: W06810.RR

Level: (low/med) LOW

Date Samp/Recv: 11/21/2005 11/23/2005

% Moisture: _____ decanted: (Y/N) N

Date Extracted: 11/28/2005

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 12/01/2005

Injection Volume: 2.00 (uL)

Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 7.0

Number TICs found: 30

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

CAS NO.	Compound Name	RT	Est. Conc.	Q
24.	UNKNOWN	11.34	18	J
25.	UNKNOWN ACID	11.47	56	J
26.	UNKNOWN ACID	11.94	12	J
27.	UNKNOWN	12.03	22	J
28.	UNKNOWN PAH DERIVATIVE	12.39	36	J
29.	UNKNOWN	12.70	13	J
30.	UNKNOWN AMIDE DERIVATIVE	16.44	19	BJ

ASP 2000 - METHOD 8270 SEMIVOLATILES
ANALYSIS DATA SHEET

Client No.

MW-12A

Lab Name: STL Buffalo

Contract: _____

Lab Code: RECNY

Case No.: _____

SAS No.: _____

SDG No.: _____

Matrix: (soil/water) WATERLab Sample ID: A5D40006Sample wt/vol: 1020.0 (g/mL) MLLab File ID: W06815.RRLevel: (low/med) LOWDate Samp/Recv: 11/21/2005 11/23/2005% Moisture: _____ decanted: (Y/N) NDate Extracted: 11/28/2005Concentrated Extract Volume: 1000 (uL)Date Analyzed: 12/01/2005Injection Volume: 2.00 (uL)Dilution Factor: 1.00GPC Cleanup: (Y/N) N pH: 7.0

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/L Q

100-52-7	Benzaldehyde	10	U
108-95-2	Phenol	10	U
111-44-4	Bis(2-chloroethyl) ether	10	U
95-57-8	2-Chlorophenol	10	U
95-48-7	2-Methylphenol	10	U
108-60-1	2,2'-Oxybis(1-Chloropropane)	10	U
98-86-2	Acetophenone	10	U
106-44-5	4-Methylphenol	1	J
621-64-7	N-Nitroso-Di-n-propylamine	10	U
67-72-1	Hexachloroethane	10	U
98-95-3	Nitrobenzene	10	U
78-59-1	Isophorone	10	U
88-75-5	2-Nitrophenol	10	U
105-67-9	2,4-Dimethylphenol	10	U
111-91-1	Bis(2-chloroethoxy) methane	10	U
120-83-2	2,4-Dichlorophenol	10	U
91-20-3	Naphthalene	10	U
106-47-8	4-Chloroaniline	10	U
87-68-3	Hexachlorobutadiene	10	U
105-60-2	Caprolactam	10	U
59-50-7	4-Chloro-3-methylphenol	10	U
91-57-6	2-Methylnaphthalene	10	U
77-47-4	Hexachlorocyclopentadiene	24	U
88-06-2	2,4,6-Trichlorophenol	10	U
95-95-4	2,4,5-Trichlorophenol	10	U
92-52-4	Biphenyl	10	U
91-58-7	2-Chloronaphthalene	10	U
88-74-4	2-Nitroaniline	24	U
131-11-3	Dimethyl phthalate	10	U
208-96-8	Acenaphthylene	10	U
606-20-2	2,6-Dinitrotoluene	10	U
99-09-2	3-Nitroaniline	24	U

ASP 2000 - METHOD 8270 SEMIVOLATILES
ANALYSIS DATA SHEET

78/1432

Client No.

Lab Name: STL Buffalo

Contract: _____

MW-12A

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) WATER

Lab Sample ID: A5D40006

Sample wt/vol: 1020.0 (g/mL) ML

Lab File ID: W06815.RR

Level: (low/med) LOW

Date Samp/Recv: 11/21/2005 11/23/2005

% Moisture: _____ decanted: (Y/N) N

Date Extracted: 11/28/2005

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 12/01/2005

Injection Volume: 2.00 (uL)

Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 7.0

CAS NO.	COMPOUND	CONCENTRATION UNITS:	
		(ug/L or ug/Kg)	UG/L
83-32-9	Acenaphthene	10	U
51-28-5	2,4-Dinitrophenol	24	U
100-02-7	4-Nitrophenol	24	U
132-64-9	Dibenzofuran	10	U
121-14-2	2,4-Dinitrotoluene	10	U
84-66-2	Diethyl phthalate	10	U
7005-72-3	4-Chlorophenyl phenyl ether	10	U
86-73-7	Fluorene	10	U
100-01-6	4-Nitroaniline	24	U
534-52-1	4,6-Dinitro-2-methylphenol	24	U
86-30-6	N-nitrosodiphenylamine	10	U
101-55-3	4-Bromophenyl phenyl ether	10	U
118-74-1	Hexachlorobenzene	10	U
1912-24-9	Atrazine	10	U
87-86-5	Pentachlorophenol	24	U
85-01-8	Phenanthrene	0.2	J
120-12-7	Anthracene	10	U
86-74-8	Carbazole	10	U
84-74-2	Di-n-butyl phthalate	10	U
206-44-0	Fluoranthene	10	U
129-00-0	Pyrene	10	U
85-68-7	Butyl benzyl phthalate	10	U
91-94-1	3,3'-Dichlorobenzidine	10	U
56-55-3	Benzo(a)anthracene	10	U
218-01-9	Chrysene	10	U
117-81-7	Bis(2-ethylhexyl) phthalate	10	U
117-84-0	Di-n-octyl phthalate	10	U
205-99-2	Benzo(b)fluoranthene	10	U
207-08-9	Benzo(k)fluoranthene	10	U
50-32-8	Benzo(a)pyrene	10	U
193-39-5	Indeno(1,2,3-cd)pyrene	10	U
53-70-3	Dibenzo(a,h)anthracene	10	U

ASP 2000 - METHOD 8270 SEMIVOLATILES
ANALYSIS DATA SHEET

Client No.

MW-12A

Lab Name: STL Buffalo

Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____Matrix: (soil/water) WATERLab Sample ID: A5D40006Sample wt/vol: 1020.0 (g/mL) MLLab File ID: W06815.RRLevel: (low/med) LOWDate Samp/Recv: 11/21/2005 11/23/2005% Moisture: _____ decanted: (Y/N) NDate Extracted: 11/28/2005Concentrated Extract Volume: 1000 (uL)Date Analyzed: 12/01/2005Injection Volume: 2.00 (uL)Dilution Factor: 1.00GPC Cleanup: (Y/N) N pH: 7.0

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/L	Q
191-24-2-----	Benzo(ghi)perylene		10	U

ASP 2000 - METHOD 8270 SEMIVOLATILES
TENTATIVELY IDENTIFIED COMPOUNDS

80/1432

Client No.

Lab Name: SIL Buffalo

Contract: _____

MW-12A

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) WATER

Lab Sample ID: A5D40006

Sample wt/vol: 1020.0 (g/mL) ML

Lab File ID: W06815.RR

Level: (low/med) LOW

Date Samp/Recv: 11/21/2005 11/23/2005

% Moisture: _____ decanted: (Y/N) N

Date Extracted: 11/28/2005

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 12/01/2005

Injection Volume: 2.00 (uL)

Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 7.0

Number TICs found: 27

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

CAS NO.	Compound Name	RT	Est. Conc.	Q
1.	UNKNOWN	6.70	3	J
2.	UNKNOWN	7.53	6	J
3.	UNKNOWN	7.62	4	J
4. 78-40-0	TRIETHYL PHOSPHATE	7.73	7	JN
5.	UNKNOWN ACID	7.87	4	J
6.	UNKNOWN	8.15	8	J
7.	UNKNOWN	8.49	10	J
8. 103-82-2	BENZENEACETIC ACID	8.97	7	JN
9.	UNKNOWN	9.02	2	J
10.	UNKNOWN PHENOL DERIVATIVE	9.37	2	J
11.	UNKNOWN	9.39	3	J
12.	UNKNOWN ACID	9.67	2	J
13.	UNKNOWN	10.47	2	J
14. 6331-04-0	(2,4-XYLXL) ACETIC ACID	10.64	14	JN
15.	UNKNOWN	10.78	3	J
16. 90-43-7	O-HYDROXYBIPHENYL	11.27	3	JN
17. 134-62-3	DIETHILTOLUAMIDE	11.68	7	JN
18.	UNKNOWN PHOSPHATE DERIVATIVE	12.12	3	J
19.	UNKNOWN BENZENESULFONAMIDE	12.26	9	J
20. 934-34-9	2 (3H) -BENZOTHAZOLONE	12.41	12	JN
21.	UNKNOWN	12.52	5	J
22.	UNKNOWN BENZENESULFONAMIDE	12.64	4	J
23.	UNKNOWN	13.35	2	J

ASP 2000 - METHOD 8270 SEMIVOLATILES
TENTATIVELY IDENTIFIED COMPOUNDS

Client No.

MW-12A

Lab Name: STL Buffalo Contract: _____Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____Matrix: (soil/water) WATERLab Sample ID: A5D40006Sample wt/vol: 1020.0 (g/mL) MLLab File ID: W06815.RRLevel: (low/med) LOWDate Samp/Recv: 11/21/2005 11/23/2005% Moisture: _____ decanted: (Y/N) NDate Extracted: 11/28/2005Concentrated Extract Volume: 1000 (uL)Date Analyzed: 12/01/2005Injection Volume: 2.00 (uL)Dilution Factor: 1.00GPC Cleanup: (Y/N) N pH: 7.0Number TICs found: 27CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

CAS NO.	Compound Name	RT	Est. Conc.	Q
24. 50-06-6	PHENOBARBITAL	14.02	3	JN
25. 86421-35-4	UNKNOWN ACETIC ACID DERIVATI	14.19	6	JN
26. 39905-47-0	UNKNOWN ANILINE DERIVATIVE	16.42	4	JN
27.	UNKNOWN AMIDE DERIVATIVE	16.45	24	BJ

ASP 2000 - METHOD 8270 SEMIVOLATILES
ANALYSIS DATA SHEET

82/1432

Client No.

Lab Name: STL Buffalo

Contract: _____

MW-12B

Lab Code: REONY Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) WATER

Lab Sample ID: A5D40007

Sample wt/vol: 1020.0 (g/mL) ML

Lab File ID: W06816.RR

Level: (low/med) LOW

Date Samp/Recv: 11/21/2005 11/23/2005

% Moisture: _____ decanted: (Y/N) N

Date Extracted: 11/28/2005

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 12/01/2005

Injection Volume: 2.00 (uL)

Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 7.0

CAS NO.	COMPOUND	CONCENTRATION UNITS:	
		(ug/L or ug/Kg)	UG/L
100-52-7	Benzaldehyde	10	U
108-95-2	Phenol	10	U
111-44-4	Bis(2-chloroethyl) ether	10	U
95-57-8	2-Chlorophenol	10	U
95-48-7	2-Methylphenol	10	U
108-60-1	2,2'-Oxybis(1-Chloropropane)	10	U
98-86-2	Acetophenone	10	U
106-44-5	4-Methylphenol	10	U
621-64-7	N-Nitroso-Di-n-propylamine	10	U
67-72-1	Hexachloroethane	10	U
98-95-3	Nitrobenzene	10	U
78-59-1	Isophorone	10	U
88-75-5	2-Nitrophenol	10	U
105-67-9	2,4-Dimethylphenol	10	U
111-91-1	Bis(2-chloroethoxy) methane	10	U
120-83-2	2,4-Dichlorophenol	10	U
91-20-3	Naphthalene	10	U
106-47-8	4-Chloroaniline	10	U
87-68-3	Hexachlorobutadiene	10	U
105-60-2	Caprolactam	10	U
59-50-7	4-Chloro-3-methylphenol	10	U
91-57-6	2-Methylnaphthalene	10	U
77-47-4	Hexachlorocyclopentadiene	24	U
88-06-2	2,4,6-Trichlorophenol	10	U
95-95-4	2,4,5-Trichlorophenol	10	U
92-52-4	Biphenyl	10	U
91-58-7	2-Chloronaphthalene	10	U
88-74-4	2-Nitroaniline	24	U
131-11-3	Dimethyl phthalate	10	U
208-96-8	Acenaphthylene	10	U
606-20-2	2,6-Dinitrotoluene	10	U
99-09-2	3-Nitroaniline	24	U

ASP 2000 - METHOD 8270 SEMIVOLATILES
ANALYSIS DATA SHEET

Client No.

Lab Name: STL Buffalo

Contract: _____

MW-12B

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____Matrix: (soil/water) WATERLab Sample ID: A5D40007Sample wt/vol: 1020.0 (g/mL) MLLab File ID: W06816.RRLevel: (low/med) LOWDate Samp/Recv: 11/21/2005 11/23/2005% Moisture: _____ decanted: (Y/N) NDate Extracted: 11/28/2005Concentrated Extract Volume: 1000 (uL)Date Analyzed: 12/01/2005Injection Volume: 2.00 (uL)Dilution Factor: 1.00GPC Cleanup: (Y/N) N pH: 7.0

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/L Q

83-32-9-----	Acenaphthene	10	U
51-28-5-----	2,4-Dinitrophenol	24	U
100-02-7-----	4-Nitrophenol	24	U
132-64-9-----	Dibenzofuran	10	U
121-14-2-----	2,4-Dinitrotoluene	10	U
84-66-2-----	Diethyl phthalate	10	U
7005-72-3-----	4-Chlorophenyl phenyl ether	10	U
86-73-7-----	Fluorene	10	U
100-01-6-----	4-Nitroaniline	24	U
534-52-1-----	4,6-Dinitro-2-methylphenol	24	U
86-30-6-----	N-nitrosodiphenylamine	10	U
101-55-3-----	4-Bromophenyl phenyl ether	10	U
118-74-1-----	Hexachlorobenzene	10	U
1912-24-9-----	Atrazine	10	U
87-86-5-----	Pentachlorophenol	24	U
85-01-8-----	Phenanthrene	10	U
120-12-7-----	Anthracene	10	U
86-74-8-----	Carbazole	10	U
84-74-2-----	Di-n-butyl phthalate	10	U
206-44-0-----	Fluoranthene	10	U
129-00-0-----	Pyrene	10	U
85-68-7-----	Butyl benzyl phthalate	10	U
91-94-1-----	3,3'-Dichlorobenzidine	10	U
56-55-3-----	Benzo (a) anthracene	10	U
218-01-9-----	Chrysene	10	U
117-81-7-----	Bis(2-ethylhexyl) phthalate	10	U
117-84-0-----	Di-n-octyl phthalate	10	U
205-99-2-----	Benzo (b) fluoranthene	10	U
207-08-9-----	Benzo (k) fluoranthene	10	U
50-32-8-----	Benzo (a) pyrene	10	U
193-39-5-----	Indeno (1,2,3-cd) pyrene	10	U
53-70-3-----	Dibenzo (a,h) anthracene	10	U

ASP 2000 - METHOD 8270 SEMIVOLATILES
ANALYSIS DATA SHEET

84/1432

Client No.

Lab Name: STL Buffalo

Contract: _____

MW-12B

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) WATER

Lab Sample ID: A5D40007

Sample wt/vol: 1020.0 (g/mL) ML

Lab File ID: W06816.RR

Level: (low/med) LOW

Date Samp/Recv: 11/21/2005 11/23/2005

% Moisture: _____ decanted: (Y/N) N

Date Extracted: 11/28/2005

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 12/01/2005

Injection Volume: 2.00 (uL)

Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 7.0

CAS NO.	COMPOUND	CONCENTRATION UNITS:	
		(ug/L or ug/Kg)	UG/L
191-24-2-----	Benzo(ghi)perylene	10	U

ASP 2000 - METHOD 8270 SEMIVOLATILES
TENTATIVELY IDENTIFIED COMPOUNDS

Client No.

MW-12B

Lab Name: STL Buffalo Contract: _____Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____Matrix: (soil/water) WATERLab Sample ID: A5D40007Sample wt/vol: 1020.0 (g/mL) MLLab File ID: W06816.RRLevel: (low/med) LOWDate Samp/Recv: 11/21/2005 11/23/2005% Moisture: _____ decanted: (Y/N) NDate Extracted: 11/28/2005Concentrated Extract Volume: 1000 (uL)Date Analyzed: 12/01/2005Injection Volume: 2.00 (uL)Dilution Factor: 1.00GPC Cleanup: (Y/N) N pH: 7.0Number TICs found: 8

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

CAS NO.	Compound Name	RT	Est. Conc.	Q
1.	UNKNOWN	3.21	3	J
2.	UNKNOWN ACID	4.23	7	J
3.	UNKNOWN ACID	4.38	4	J
4. 103-82-2	BENZENEACETIC ACID	8.94	4	JN
5.	UNKNOWN ACID	9.67	10	J
6.	UNKNOWN	15.25	4	J
7.	UNKNOWN AMIDE DERIVATIVE	15.86	2	J
8.	UNKNOWN AMIDE DERIVATIVE	16.43	20	BJ

ASP 2000 - METHOD 8270 SEMIVOLATILES
ANALYSIS DATA SHEET

86/1432

Client No.

Lab Name: STL Buffalo

Contract: _____

WW-2

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) WATER

Lab Sample ID: A5D40008

Sample wt/vol: 1040.0 (g/mL) ML

Lab File ID: W06817.RR

Level: (low/med) LOW

Date Samp/Recv: 11/21/2005 11/23/2005

% Moisture: _____ decanted: (Y/N) N

Date Extracted: 11/28/2005

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 12/01/2005

Injection Volume: 2.00 (uL)

Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 7.0

CAS NO.	COMPOUND	CONCENTRATION UNITS:		Q
		(ug/L or ug/Kg)	UG/L	
100-52-7	Benzaldehyde	10	U	
108-95-2	Phenol	10	U	
111-44-4	Bis(2-chloroethyl) ether	10	U	
95-57-8	2-Chlorophenol	10	U	
95-48-7	2-Methylphenol	10	U	
108-60-1	2,2'-Oxybis(1-Chloropropane)	10	U	
98-86-2	Acetophenone	10	U	
106-44-5	4-Methylphenol	10	U	
621-64-7	N-Nitroso-Di-n-propylamine	10	U	
67-72-1	Hexachloroethane	10	U	
98-95-3	Nitrobenzene	10	U	
78-59-1	Isophorone	10	U	
88-75-5	2-Nitrophenol	10	U	
105-67-9	2,4-Dimethylphenol	10	U	
111-91-1	Bis(2-chloroethoxy) methane	10	U	
120-83-2	2,4-Dichlorophenol	10	U	
91-20-3	Naphthalene	11		
106-47-8	4-Chloroaniline	10	U	
87-68-3	Hexachlorobutadiene	10	U	
105-60-2	Caprolactam	10	U	
59-50-7	4-Chloro-3-methylphenol	10	U	
91-57-6	2-Methylnaphthalene	2	J	
77-47-4	Hexachlorocyclopentadiene	24	U	
88-06-2	2,4,6-Trichlorophenol	10	U	
95-95-4	2,4,5-Trichlorophenol	10	U	
92-52-4	Biphenyl	10	U	
91-58-7	2-Chloronaphthalene	10	U	
88-74-4	2-Nitroaniline	24	U	
131-11-3	Dimethyl phthalate	10	U	
208-96-8	Acenaphthylene	10	U	
606-20-2	2,6-Dinitrotoluene	10	U	
99-09-2	3-Nitroaniline	24	U	

ASP 2000 - METHOD 8270 SEMIVOLATILES
ANALYSIS DATA SHEET

Client No.

Lab Name: STL Buffalo

Contract: _____

MW-2

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____Matrix: (soil/water) WATERLab Sample ID: A5D40008Sample wt/vol: 1040.0 (g/mL) MLLab File ID: W06817.RRLevel: (low/med) LOWDate Samp/Recv: 11/21/2005 11/23/2005% Moisture: _____ decanted: (Y/N) NDate Extracted: 11/28/2005Concentrated Extract Volume: 1000 (uL)Date Analyzed: 12/01/2005Injection Volume: 2.00 (uL)Dilution Factor: 1.00GPC Cleanup: (Y/N) N pH: 7.0

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/L Q

83-32-9	Acenaphthene	10	U
51-28-5	2,4-Dinitrophenol	24	U
100-02-7	4-Nitrophenol	24	U
132-64-9	Dibenzofuran	10	U
121-14-2	2,4-Dinitrotoluene	10	U
84-66-2	Diethyl phthalate	10	U
7005-72-3	4-Chlorophenyl phenyl ether	10	U
86-73-7	Fluorene	10	U
100-01-6	4-Nitroaniline	24	U
534-52-1	4,6-Dinitro-2-methylphenol	24	U
86-30-6	N-nitrosodiphenylamine	10	U
101-55-3	4-Bromophenyl phenyl ether	10	U
118-74-1	Hexachlorobenzene	10	U
1912-24-9	Atrazine	10	U
87-86-5	Pentachlorophenol	24	U
85-01-8	Phenanthrene	0.3	J
120-12-7	Anthracene	10	U
86-74-8	Carbazole	10	U
84-74-2	Di-n-butyl phthalate	10	U
206-44-0	Fluoranthene	10	U
129-00-0	Pyrene	10	U
85-68-7	Butyl benzyl phthalate	10	U
91-94-1	3,3'-Dichlorobenzidine	10	U
56-55-3	Benzo (a) anthracene	10	U
218-01-9	Chrysene	10	U
117-81-7	Bis (2-ethylhexyl) phthalate	10	U
117-84-0	Di-n-octyl phthalate	10	U
205-99-2	Benzo (b) fluoranthene	10	U
207-08-9	Benzo (k) fluoranthene	10	U
50-32-8	Benzo (a) pyrene	10	U
193-39-5	Indeno (1,2,3-cd) pyrene	10	U
53-70-3	Dibenzo (a,h) anthracene	10	U

ASP 2000 - METHOD 8270 SEMIVOLATILES
ANALYSIS DATA SHEET

Client No.

Lab Name: STL Buffalo

Contract: _____

MW-2

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____Matrix: (soil/water) WATERLab Sample ID: A5D40008Sample wt/vol: 1040.0 (g/mL) MLLab File ID: W06817.RRLevel: (low/med) LOWDate Samp/Recv: 11/21/2005 11/23/2005% Moisture: _____ decanted: (Y/N) NDate Extracted: 11/28/2005Concentrated Extract Volume: 1000 (uL)Date Analyzed: 12/01/2005Injection Volume: 2.00 (uL)Dilution Factor: 1.00GPC Cleanup: (Y/N) N pH: 7.0

CAS NO.	COMPOUND	CONCENTRATION UNITS:	
		(ug/L or ug/Kg) <u>UG/L</u>	<u>Q</u>
191-24-2-----	Benzo(ghi)perylene	10	U

ASP 2000 - METHOD 8270 SEMIVOLATILES
TENTATIVELY IDENTIFIED COMPOUNDS

89/1432

Client No.

Lab Name: STL Buffalo Contract: _____

MW-2

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) WATER

Lab Sample ID: A5D40008

Sample wt/vol: 1040.0 (g/mL) ML

Lab File ID: W06817.RR

Level: (low/med) LOW

Date Samp/Recv: 11/21/2005 11/23/2005

% Moisture: _____ decanted: (Y/N) N

Date Extracted: 11/28/2005

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 12/01/2005

Injection Volume: 2.00 (uL)

Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 7.0

Number TICs found: 29

CONCENTRATION UNITS:

(ug/L or ug/Kg) UG/L

CAS NO.	Compound Name	RT	Est. Conc.	Q
1.	UNKNOWN BENZENE DERIVATIVE	6.31	10	J
2.	UNKNOWN BENZENE DERIVATIVE	6.64	8	J
3.	UNKNOWN ACID	7.50	5	J
4.	UNKNOWN	7.62	3	J
5.	UNKNOWN BENZENE DERIVATIVE	7.70	3	J
6.	UNKNOWN BENZENE DERIVATIVE	7.74	4	J
7.	UNKNOWN BENZENE DERIVATIVE	8.07	6	J
8.	UNKNOWN	8.15	3	J
9.	UNKNOWN	8.20	3	J
10.	UNKNOWN	8.59	3	J
11.	UNKNOWN	8.72	2	J
12.	UNKNOWN	9.24	3	J
13.	UNKNOWN PHENOL DERIVATIVE	9.37	14	J
14.	UNKNOWN BENZOIC ACID DERIVAT	10.25	5	J
15.	6331-04-0 (2,4-XYLYL) ACETIC ACID	10.63	9	JN
16.	134-62-3 DIETHYLTOLUAMIDE	11.68	6	JN
17.	UNKNOWN ACID	11.88	2	J
18.	126-73-8 TRIBUTYL PHOSPHATE	12.11	24	JN
19.	UNKNOWN BENZENESULFONAMIDE	12.26	24	J
20.	934-34-9 2 (3H) -BENZOTHAZOLONE	12.43	49	JN
21.	UNKNOWN	12.52	3	J
22.	UNKNOWN BENZENESULFONAMIDE	12.65	14	J
23.	TRIBUTYL PHOSPHINE OXIDE	12.73	10	J

ASP 2000 - METHOD 8270 SEMIVOLATILES
TENTATIVELY IDENTIFIED COMPOUNDS

90/1432

Client No.

Lab Name: SIL Buffalo

Contract: _____

MW-2

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) WATER

Lab Sample ID: A5D40008

Sample wt/vol: 1040.0 (g/mL) ML

Lab File ID: W06817.RR

Level: (low/med) LOW

Date Samp/Recv: 11/21/2005 11/23/2005

% Moisture: _____ decanted: (Y/N) N

Date Extracted: 11/28/2005

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 12/01/2005

Injection Volume: 2.00 (uL)

Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 7.0

Number TICs found: 29

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

CAS NO.	Compound Name	RT	Est. Conc.	Q
24.	UNKNOWN	14.52	8	J
25.	UNKNOWN BENZENESULFONAMIDE	14.63	5	J
26.	UNKNOWN PHENOL DERIVATIVE	14.70	6	J
27.	UNKNOWN ETHANOL DERIVATIVE	15.33	27	J
28.	UNKNOWN ANILINE DERIVATIVE	16.41	6	J
29.	UNKNOWN AMIDE DERIVATIVE	16.44	44	BJ

ASP 2000 - METHOD 8270 SEMIVOLATILES
ANALYSIS DATA SHEET

91/1432

Client No.

Lab Name: STL Buffalo

Contract: _____

MW-4A

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) WATER

Lab Sample ID: A5D40004

Sample wt/vol: 1000.0 (g/mL) ML

Lab File ID: W06811.RR

Level: (low/med) LOW

Date Samp/Recv: 11/21/2005 11/23/2005

% Moisture: _____ decanted: (Y/N) N

Date Extracted: 11/28/2005

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 12/01/2005

Injection Volume: 2.00 (uL)

Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 7.0

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/L Q

100-52-7	Benzaldehyde	10	U
108-95-2	Phenol	10	U
111-44-4	Bis(2-chloroethyl) ether	10	U
95-57-8	2-Chlorophenol	10	U
95-48-7	2-Methylphenol	10	U
108-60-1	2,2'-Oxybis(1-Chloropropane)	10	U
98-86-2	Acetophenone	10	U
106-44-5	4-Methylphenol	10	U
621-64-7	N-Nitroso-Di-n-propylamine	10	U
67-72-1	Hexachloroethane	10	U
98-95-3	Nitrobenzene	10	U
78-59-1	Isophorone	10	U
88-75-5	2-Nitrophenol	10	U
105-67-9	2,4-Dimethylphenol	10	U
111-91-1	Bis(2-chloroethoxy) methane	10	U
120-83-2	2,4-Dichlorophenol	10	U
91-20-3	Naphthalene	10	U
106-47-8	4-Chloroaniline	10	U
87-68-3	Hexachlorobutadiene	10	U
105-60-2	Caprolactam	10	U
59-50-7	4-Chloro-3-methylphenol	10	U
91-57-6	2-Methylnaphthalene	10	U
77-47-4	Hexachlorocyclopentadiene	25	U
88-06-2	2,4,6-Trichlorophenol	10	U
95-95-4	2,4,5-Trichlorophenol	10	U
92-52-4	Biphenyl	10	U
91-58-7	2-Chloronaphthalene	10	U
88-74-4	2-Nitroaniline	25	U
131-11-3	Dimethyl phthalate	10	U
208-96-8	Acenaphthylene	10	U
606-20-2	2,6-Dinitrotoluene	10	U
99-09-2	3-Nitroaniline	25	U

ASP 2000 - METHOD 8270 SEMIVOLATILES
ANALYSIS DATA SHEET

92/1432

Client No.

Lab Name: STL Buffalo

Contract: _____

MW-4A

Lab Code: RECNY

Case No.: _____

SAS No.: _____

SDG No.: _____

Matrix: (soil/water) WATER

Lab Sample ID: ASD40004

Sample wt/vol: 1000.0 (g/mL) ML

Lab File ID: W06811.RR

Level: (low/med) LOW

Date Samp/Recv: 11/21/2005 11/23/2005

% Moisture: _____ decanted: (Y/N) N

Date Extracted: 11/28/2005

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 12/01/2005

Injection Volume: 2.00 (uL)

Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 7.0

CONCENTRATION UNITS:

CAS NO.

COMPOUND

(ug/L or ug/Kg)

UG/L

Q

83-32-9-----	Acenaphthene	1	J
51-28-5-----	2,4-Dinitrophenol	25	U
100-02-7-----	4-Nitrophenol	25	U
132-64-9-----	Dibenzofuran	0.5	J
121-14-2-----	2,4-Dinitrotoluene	10	U
84-66-2-----	Diethyl phthalate	10	U
7005-72-3-----	4-Chlorophenyl phenyl ether	10	U
86-73-7-----	Fluorene	1	J
100-01-6-----	4-Nitroaniline	25	U
534-52-1-----	4,6-Dinitro-2-methylphenol	25	U
86-30-6-----	N-nitrosodiphenylamine	10	U
101-55-3-----	4-Bromophenyl phenyl ether	10	U
118-74-1-----	Hexachlorobenzene	10	U
1912-24-9-----	Atrazine	10	U
87-86-5-----	Pentachlorophenol	25	U
85-01-8-----	Phenanthrene	10	U
120-12-7-----	Anthracene	0.4	J
86-74-8-----	Carbazole	10	U
84-74-2-----	Di-n-butyl phthalate	10	U
206-44-0-----	Fluoranthene	10	U
129-00-0-----	Pyrene	10	U
85-68-7-----	Butyl benzyl phthalate	10	U
91-94-1-----	3,3'-Dichlorobenzidine	10	U
56-55-3-----	Benzo (a) anthracene	10	U
218-01-9-----	Chrysene	10	U
117-81-7-----	Bis(2-ethylhexyl) phthalate	10	U
117-84-0-----	Di-n-octyl phthalate	10	U
205-99-2-----	Benzo (b) fluoranthene	10	U
207-08-9-----	Benzo (k) fluoranthene	10	U
50-32-8-----	Benzo (a) pyrene	10	U
193-39-5-----	Indeno (1,2,3-cd) pyrene	10	U
53-70-3-----	Dibenzo (a,h) anthracene	10	U

ASP 2000 - METHOD 8270 SEMIVOLATILES
ANALYSIS DATA SHEET

Client No.

MW-4A

Lab Name: STL Buffalo Contract: _____Lab Code: RECN Case No.: _____ SAS No.: _____ SDG No.: _____Matrix: (soil/water) WATERLab Sample ID: A5D40004Sample wt/vol: 1000.0 (g/mL) MLLab File ID: W06811.RRLevel: (low/med) LOWDate Samp/Recv: 11/21/2005 11/23/2005% Moisture: _____ decanted: (Y/N) NDate Extracted: 11/28/2005Concentrated Extract Volume: 1000 (uL)Date Analyzed: 12/01/2005Injection Volume: 2.00 (uL)Dilution Factor: 1.00GPC Cleanup: (Y/N) N pH: 7.0

CONCENTRATION UNITS:

CAS NO. COMPOUND

(ug/L or ug/Kg) UG/L Q

191-24-2-----	Benzo(ghi)perylene	10	U
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ASP 2000 - METHOD 8270 SEMIVOLATILES
TENTATIVELY IDENTIFIED COMPOUNDS

94/1432

Client No.

Lab Name: SIL Buffalo

Contract: _____

MW-4A

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) WATER

Lab Sample ID: A5D40004

Sample wt/vol: 1000.0 (g/mL) ML

Lab File ID: W06811.RR

Level: (low/med) LOW

Date Samp/Recv: 11/21/2005 11/23/2005

% Moisture: _____ decanted: (Y/N) N

Date Extracted: 11/28/2005

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 12/01/2005

Injection Volume: 2.00 (uL)

Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 7.0

Number TICs found: 30

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

CAS NO.	Compound Name	RT	Est. Conc.	Q
1.	UNKNOWN	7.96	3	J
2.	UNKNOWN	8.22	3	J
3.	UNKNOWN	8.50	4	J
4.	UNKNOWN	8.63	7	J
5.	UNKNOWN	8.69	3	J
6.	UNKNOWN	8.78	3	J
7.	UNKNOWN	8.82	3	J
8.	UNKNOWN	8.86	3	J
9.	UNKNOWN	9.06	7	J
10.	UNKNOWN	9.26	4	J
11.	UNKNOWN	9.36	6	J
12.	UNKNOWN	9.48	3	J
13.	UNKNOWN	9.63	7	J
14.	UNKNOWN	9.68	2	J
15.	UNKNOWN	9.73	5	J
16.	UNKNOWN	9.83	5	J
17.	UNKNOWN	9.96	5	J
18.	UNKNOWN	10.17	3	J
19. 2934-05-6	2,4-BIS(1-METHYLETHYL) PHENO	10.27	14	JN
20.	UNKNOWN	10.40	4	J
21.	UNKNOWN	10.53	5	J
22.	UNKNOWN	10.61	4	J
23.	UNKNOWN	10.66	4	J

ASP 2000 - METHOD 8270 SEMIVOLATILES
TENTATIVELY IDENTIFIED COMPOUNDS

95/1432

Client No.

Lab Name: STL Buffalo

Contract: _____

MW-4A

Lab Code: RECONY Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) WATER

Lab Sample ID: A5D40004

Sample wt/vol: 1000.0 (g/mL) ML

Lab File ID: W06811.RR

Level: (low/med) LOW

Date Samp/Recv: 11/21/2005 11/23/2005

% Moisture: _____ decanted: (Y/N) N

Date Extracted: 11/28/2005

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 12/01/2005

Injection Volume: 2.00 (uL)

Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 7.0

Number TICs found: 30

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

CAS NO.	Compound Name	RT	Est. Conc.	Q
24.	UNKNOWN	10.71	5	J
25. 90-43-7	O-HYDROXYBIPHENYL	11.27	4	JN
26.	UNKNOWN	11.95	6	J
27.	UNKNOWN	12.26	3	J
28. 111-06-8	BUTYL ESTER HEXADECANOIC ACI	14.64	54	JN
29. 123-95-5	BUTYL ESTER OCTADECANOIC ACI	15.29	44	JN
30.	UNKNOWN AMIDE DERIVATIVE	16.45	18	BJ

ASP 2000 - METHOD 8270 SEMIVOLATILES
ANALYSIS DATA SHEET

Client No.

Lab Name: STL Buffalo

Contract: _____

MW-4B

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____Matrix: (soil/water) WATERLab Sample ID: A5D40005Sample wt/vol: 1015.0 (g/mL) MLLab File ID: W06814.RRLevel: (low/med) LOWDate Samp/Recv: 11/21/2005 11/23/2005% Moisture: _____ decanted: (Y/N) NDate Extracted: 11/28/2005Concentrated Extract Volume: 1000 (uL)Date Analyzed: 12/01/2005Injection Volume: 2.00 (uL)Dilution Factor: 1.00GPC Cleanup: (Y/N) N pH: 7.0

CONCENTRATION UNITS:

CAS NO. COMPOUND

(ug/L or ug/Kg)

UG/L

Q

100-52-7-----	Benzaldehyde	10	U
108-95-2-----	Phenol	10	U
111-44-4-----	Bis(2-chloroethyl) ether	10	U
95-57-8-----	2-Chlorophenol	10	U
95-48-7-----	2-Methylphenol	10	U
108-60-1-----	2,2'-Oxybis(1-Chloropropane)	10	U
98-86-2-----	Acetophenone	10	U
106-44-5-----	4-Methylphenol	10	U
621-64-7-----	N-Nitroso-Di-n-propylamine	10	U
67-72-1-----	Hexachloroethane	10	U
98-95-3-----	Nitrobenzene	10	U
78-59-1-----	Isophorone	10	U
88-75-5-----	2-Nitrophenol	10	U
105-67-9-----	2,4-Dimethylphenol	10	U
111-91-1-----	Bis(2-chloroethoxy) methane	10	U
120-83-2-----	2,4-Dichlorophenol	10	U
91-20-3-----	Naphthalene	10	U
106-47-8-----	4-Chloroaniline	10	U
87-68-3-----	Hexachlorobutadiene	10	U
105-60-2-----	Caprolactam	10	U
59-50-7-----	4-Chloro-3-methylphenol	10	U
91-57-6-----	2-Methylnaphthalene	10	U
77-47-4-----	Hexachlorocyclopentadiene	25	U
88-06-2-----	2,4,6-Trichlorophenol	10	U
95-95-4-----	2,4,5-Trichlorophenol	10	U
92-52-4-----	Biphenyl	10	U
91-58-7-----	2-Chloronaphthalene	10	U
88-74-4-----	2-Nitroaniline	25	U
131-11-3-----	Dimethyl phthalate	10	U
208-96-8-----	Acenaphthylene	10	U
606-20-2-----	2,6-Dinitrotoluene	10	U
99-09-2-----	3-Nitroaniline	25	U

ASP 2000 - METHOD 8270 SEMIVOLATILES
ANALYSIS DATA SHEET

97/1432

Client No.

Lab Name: STL Buffalo

Contract: _____

MW-4B

Lab Code: RECNY

Case No.: _____

SAS No.: _____

SDG No.: _____

Matrix: (soil/water) WATER

Lab Sample ID: A5D40005

Sample wt/vol: 1015.0 (g/mL) ML

Lab File ID: W06814.RR

Level: (low/med) LOW

Date Samp/Recv: 11/21/2005 11/23/2005

% Moisture: _____ decanted: (Y/N) N

Date Extracted: 11/28/2005

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 12/01/2005

Injection Volume: 2.00 (uL)

Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 7.0

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/L Q

83-32-9-----	Acenaphthene	10	U
51-28-5-----	2,4-Dinitrophenol	25	U
100-02-7-----	4-Nitrophenol	25	U
132-64-9-----	Dibenzofuran	10	U
121-14-2-----	2,4-Dinitrotoluene	10	U
84-66-2-----	Diethyl phthalate	10	U
7005-72-3-----	4-Chlorophenyl phenyl ether	10	U
86-73-7-----	Fluorene	10	U
100-01-6-----	4-Nitroaniline	25	U
534-52-1-----	4,6-Dinitro-2-methylphenol	25	U
86-30-6-----	N-nitrosodiphenylamine	10	U
101-55-3-----	4-Bromophenyl phenyl ether	10	U
118-74-1-----	Hexachlorobenzene	10	U
1912-24-9----	Atrazine	10	U
87-86-5-----	Pentachlorophenol	25	U
85-01-8-----	Phenanthrene	10	U
120-12-7-----	Anthracene	10	U
86-74-8-----	Carbazole	10	U
84-74-2-----	Di-n-butyl phthalate	10	U
206-44-0-----	Fluoranthene	10	U
129-00-0-----	Pyrene	10	U
85-68-7-----	Butyl benzyl phthalate	10	U
91-94-1-----	3,3'-Dichlorobenzidine	10	U
56-55-3-----	Benzo (a) anthracene	10	U
218-01-9-----	Chrysene	10	U
117-81-7-----	Bis(2-ethylhexyl) phthalate	10	U
117-84-0-----	Di-n-octyl phthalate	10	U
205-99-2-----	Benzo (b) fluoranthene	10	U
207-08-9-----	Benzo (k) fluoranthene	10	U
50-32-8-----	Benzo (a) pyrene	10	U
193-39-5-----	Indeno (1,2,3-cd) pyrene	10	U
53-70-3-----	Dibenzo (a,h) anthracene	10	U

ASP 2000 - METHOD 8270 SEMIVOLATILES
ANALYSIS DATA SHEET

98/1432

Client No.

Lab Name: STL Buffalo

Contract: _____

MW-4B

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) WATER

Lab Sample ID: A5D40005

Sample wt/vol: 1015.0 (g/mL) ML

Lab File ID: W06814.RR

Level: (low/med) LOW

Date Samp/Recv: 11/21/2005 11/23/2005

% Moisture: _____ decanted: (Y/N) N

Date Extracted: 11/28/2005

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 12/01/2005

Injection Volume: 2.00 (uL)

Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 7.0

CAS NO.	COMPOUND	CONCENTRATION UNITS:	
		(ug/L or ug/Kg)	UG/L
191-24-2-----	Benzo(ghi)perylene	10	U

ASP 2000 - METHOD 8270 SEMIVOLATILES
TENTATIVELY IDENTIFIED COMPOUNDS

Client No.

Lab Name: STL Buffalo

Contract: _____

MW-4B

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____Matrix: (soil/water) WATERLab Sample ID: A5D40005Sample wt/vol: 1015.0 (g/mL) MLLab File ID: W06814.RRLevel: (low/med) LOWDate Samp/Recv: 11/21/2005 11/23/2005% Moisture: _____ decanted: (Y/N) NDate Extracted: 11/28/2005Concentrated Extract Volume: 1000 (uL)Date Analyzed: 12/01/2005Injection Volume: 2.00 (uL)Dilution Factor: 1.00GPC Cleanup: (Y/N) N pH: 7.0Number TICs found: 1

CONCENTRATION UNITS:

(ug/L or ug/Kg) UG/L

CAS NO.	Compound Name	RT	Est. Conc.	Q
1.	UNKNOWN AMIDE DERIVATIVE	16.42	8	BJ

ASP 2000 - METHOD 8270 SEMIVOLATILES
ANALYSIS DATA SHEET

101/1432

Client No.

Lab Name: STL Buffalo

Contract: _____

MW-6A

Lab Code: RBCNY Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) WATER

Lab Sample ID: ASD40013

Sample wt/vol: 990.00 (g/mL) ML

Lab File ID: W06824.RR

Level: (low/med) LOW

Date Samp/Recv: 11/22/2005 11/23/2005

% Moisture: _____ decanted: (Y/N) N

Date Extracted: 11/28/2005

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 12/02/2005

Injection Volume: 2.00 (uL)

Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 7.0

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/L Q

83-32-9-----	Acenaphthene	1	J
51-28-5-----	2,4-Dinitrophenol	25	U R
100-02-7-----	4-Nitrophenol	25	U
132-64-9-----	Dibenzofuran	0.7	J
121-14-2-----	2,4-Dinitrotoluene	10	U
84-66-2-----	Diethyl phthalate	10	U
7005-72-3-----	4-Chlorophenyl phenyl ether	10	U
86-73-7-----	Fluorene	3	J
100-01-6-----	4-Nitroaniline	25	U
534-52-1-----	4,6-Dinitro-2-methylphenol	25	U R
86-30-6-----	N-nitrosodiphenylamine	10	U
101-55-3-----	4-Bromophenyl phenyl ether	10	U
118-74-1-----	Hexachlorobenzene	10	U
1912-24-9-----	Atrazine	10	U
87-86-5-----	Pentachlorophenol	25	U R
85-01-8-----	Phenanthrene	3	J
120-12-7-----	Anthracene	10	U
86-74-8-----	Carbazole	10	U
84-74-2-----	Di-n-butyl phthalate	10	U
206-44-0-----	Fluoranthene	3	J
129-00-0-----	Pyrene	3	J
85-68-7-----	Butyl benzyl phthalate	10	U
91-94-1-----	3,3'-Dichlorobenzidine	10	U
56-55-3-----	Benzo (a) anthracene	10	U
218-01-9-----	Chrysene	10	U
117-81-7-----	Bis(2-ethylhexyl) phthalate	20	
117-84-0-----	Di-n-octyl phthalate	10	U
205-99-2-----	Benzo (b) fluoranthene	10	U
207-08-9-----	Benzo (k) fluoranthene	10	U
50-32-8-----	Benzo (a) pyrene	10	U
193-39-5-----	Indeno (1,2,3-cd) pyrene	10	U
53-70-3-----	Dibenzo (a,h) anthracene	10	U

ASP 2000 - METHOD 8270 SEMIVOLATILES
ANALYSIS DATA SHEET

Client No.

Lab Name: STL Buffalo

Contract: _____

MW-6A

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____Matrix: (soil/water) WATERLab Sample ID: A5D40013Sample wt/vol: 990.00 (g/mL) MLLab File ID: W06824.RRLevel: (low/med) LOWDate Samp/Recv: 11/22/2005 11/23/2005% Moisture: _____ decanted: (Y/N) NDate Extracted: 11/28/2005Concentrated Extract Volume: 1000 (uL)Date Analyzed: 12/02/2005Injection Volume: 2.00 (uL)Dilution Factor: 1.00GPC Cleanup: (Y/N) N pH: 7.0

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/L	Q
100-52-7	Benzaldehyde	10	U	
108-95-2	Phenol	10	UR	
111-44-4	Bis(2-chloroethyl) ether	10	U	
95-57-8	2-Chlorophenol	10	UR	
95-48-7	2-Methylphenol	10	UR	
108-60-1	2,2'-Oxybis(1-Chloropropane)	10	U	
98-86-2	Acetophenone	10	U	
106-44-5	4-Methylphenol	10	UR	
621-64-7	N-Nitroso-Di-n-propylamine	10	U	
67-72-1	Hexachloroethane	10	U	
98-95-3	Nitrobenzene	10	U	
78-59-1	Isophorone	10	U	
88-75-5	2-Nitrophenol	10	UR	
105-67-9	2,4-Dimethylphenol	10	UR	
111-91-1	Bis(2-chloroethoxy) methane	10	U	
120-83-2	2,4-Dichlorophenol	10	UR	
91-20-3	Naphthalene	3	J	
106-47-8	4-Chloroaniline	10	U	
87-68-3	Hexachlorobutadiene	10	U	
105-60-2	Caprolactam	10	U	
59-50-7	4-Chloro-3-methylphenol	10	UR	
91-57-6	2-Methylnaphthalene	1	J	
77-47-4	Hexachlorocyclopentadiene	25	U	
88-06-2	2,4,6-Trichlorophenol	10	UR	
95-95-4	2,4,5-Trichlorophenol	10	UR	
92-52-4	Biphenyl	10	U	
91-58-7	2-Chloronaphthalene	10	U	
88-74-4	2-Nitroaniline	25	U	
131-11-3	Dimethyl phthalate	10	U	
208-96-8	Acenaphthylene	0.8	J	
606-20-2	2,6-Dinitrotoluene	10	U	
99-09-2	3-Nitroaniline	25	U	

ASP 2000 - METHOD 8270 SEMIVOLATILES
ANALYSIS DATA SHEET

102/1432

Client No.

Lab Name: STL Buffalo

Contract: _____

MW-6A

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) WATER

Lab Sample ID: A5D40013

Sample wt/vol: 990.00 (g/mL) ML

Lab File ID: W06824.RR

Level: (low/med) LOW

Date Samp/Recv: 11/22/2005 11/23/2005

% Moisture: _____ decanted: (Y/N) N

Date Extracted: 11/28/2005

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 12/02/2005

Injection Volume: 2.00 (uL)

Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 7.0

CAS NO.	COMPOUND	CONCENTRATION UNITS:	
		(ug/L or ug/Kg) <u>UG/L</u>	<u>Q</u>
191-24-2-----	Benzo(ghi)perylene	10	U

ASP 2000 - METHOD 8270 SEMIVOLATILES
 TENTATIVELY IDENTIFIED COMPOUNDS

Client No.

MW-6A

Lab Name: STL Buffalo Contract: _____Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____Matrix: (soil/water) WATERLab Sample ID: A5D40013Sample wt/vol: 990.00 (g/mL) MLLab File ID: W06824.RRLevel: (low/med) LOWDate Samp/Recv: 11/22/2005 11/23/2005% Moisture: _____ decanted: (Y/N) NDate Extracted: 11/28/2005Concentrated Extract Volume: 1000 (uL)Date Analyzed: 12/02/2005Injection Volume: 2.00 (uL)Dilution Factor: 1.00GPC Cleanup: (Y/N) N pH: 7.0Number TICs found: 24
 CONCENTRATION UNITS:
 (ug/L or ug/Kg) UG/L

CAS NO.	Compound Name	RT	Est. Conc.	Q
1.	UNKNOWN	6.29	14	J
2.	UNKNOWN HYDROCARBON	6.61	10	J
3.	UNKNOWN HYDROCARBON	7.66	7	J
4. 78-40-0	TRIETHYL PHOSPHATE	7.72	310	JN
5.	UNKNOWN HYDROCARBON	7.90	6	J
6.	UNKNOWN BENZENE DERIVATIVE	8.05	10	J
7.	UNKNOWN BENZENE DERIVATIVE	8.07	12	J
8.	UNKNOWN NAPHTHALENE DERIVATI	8.20	6	J
9.	UNKNOWN HYDROCARBON	9.15	8	J
10.	UNKNOWN HYDROCARBON	10.15	9	J
11.	UNKNOWN PHENOL DERIVATIVE	10.27	12	J
12. 571-58-4	1,4-DIMETHYL NAPHTHALENE	10.54	8	JN
13.	UNKNOWN HYDROCARBON	10.60	39	J
14.	UNKNOWN HYDROCARBON	10.90	56	J
15.	UNKNOWN	10.96	10	J
16.	UNKNOWN INDENE DERIVATIVE	11.28	10	J
17.	UNKNOWN	11.54	28	J
18.	UNKNOWN	11.64	36	J
19.	UNKNOWN HYDROCARBON	12.50	20	J
20. 36728-72-0	28-NOR-17.BETA. (H) -HOPANE	17.53	20	JN
21.	UNKNOWN CHOLESTAN-3-ONE ISOM	17.71	100	J
22.	UNKNOWN	17.84	6	J
23.	UNKNOWN CHOLESTAN-3-ONE ISOM	17.87	12	J

ASP 2000 - METHOD 8270 SEMIVOLATILES
TENTATIVELY IDENTIFIED COMPOUNDS

104/1432

Client No.

Lab Name: STL Buffalo

Contract: _____

MW-6A

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) WATER

Lab Sample ID: ASD40013

Sample wt/vol: 990.00 (g/mL) ML

Lab File ID: W06824.RR

Level: (low/med) LOW

Date Samp/Recv: 11/22/2005 11/23/2005

% Moisture: _____ decanted: (Y/N) N

Date Extracted: 11/28/2005

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 12/02/2005

Injection Volume: 2.00 (uL)

Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 7.0

Number TICs found: 24

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

CAS NO.	Compound Name	RT	Est. Conc.	Q
24.	UNKNOWN	18.22	7	J

ASP 2000 - METHOD 8270 SEMIVOLATILES
ANALYSIS DATA SHEET

Client No.

Lab Name: STL Buffalo

Contract: _____

MW-6A RI

Lab Code: REQNY Case No.: _____ SAS No.: _____ SDG No.: _____Matrix: (soil/water) WATERLab Sample ID: ASD40013RISample wt/vol: 990.00 (g/mL) MLLab File ID: W06848.RRLevel: (low/med) LOWDate Samp/Recv: 11/22/2005 11/23/2005% Moisture: _____ decanted: (Y/N) NDate Extracted: 11/28/2005Concentrated Extract Volume: 1000 (uL)Date Analyzed: 12/02/2005Injection Volume: 2.00 (uL)Dilution Factor: 10.00GPC Cleanup: (Y/N) N pH: 7.0

CAS NO. COMPOUND CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L Q

100-52-7-----	Benzaldehyde	100	U
108-95-2-----	Phenol	100	U
111-44-4-----	Bis(2-chloroethyl) ether	100	U
95-57-8-----	2-Chlorophenol	100	U
95-48-7-----	2-Methylphenol	100	U
108-60-1-----	2,2'-Oxybis(1-Chloropropane)	100	U
98-86-2-----	Acetophenone	100	U
106-44-5-----	4-Methylphenol	100	U
621-64-7-----	N-Nitroso-Di-n-propylamine	100	U
67-72-1-----	Hexachloroethane	100	U
98-95-3-----	Nitrobenzene	100	U
78-59-1-----	Isophorone	100	U
88-75-5-----	2-Nitrophenol	100	U
105-67-9-----	2,4-Dimethylphenol	100	U
111-91-1-----	Bis(2-chloroethoxy) methane	100	U
120-83-2-----	2,4-Dichlorophenol	100	U
91-20-3-----	Naphthalene	100	U
106-47-8-----	4-Chloroaniline	100	U
87-68-3-----	Hexachlorobutadiene	100	U
105-60-2-----	Caprolactam	100	U
59-50-7-----	4-Chloro-3-methylphenol	100	U
91-57-6-----	2-Methylnaphthalene	100	U
77-47-4-----	Hexachlorocyclopentadiene	250	U
88-06-2-----	2,4,6-Trichlorophenol	100	U
95-95-4-----	2,4,5-Trichlorophenol	100	U
92-52-4-----	Biphenyl	100	U
91-58-7-----	2-Chloronaphthalene	100	U
88-74-4-----	2-Nitroaniline	250	U
131-11-3-----	Dimethyl phthalate	100	U
208-96-8-----	Acenaphthylene	100	U
606-20-2-----	2,6-Dinitrotoluene	100	U
99-09-2-----	3-Nitroaniline	250	U

ASP 2000 - METHOD 8270 SEMIVOLATILES
ANALYSIS DATA SHEET

106/1432

Client No.

Lab Name: SIL Buffalo

Contract: _____

MW-6A RI

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) WATER

Lab Sample ID: A5D40013RI

Sample wt/vol: 990.00 (g/mL) ML

Lab File ID: W06848.RR

Level: (low/med) LOW

Date Samp/Recv: 11/22/2005 11/23/2005

% Moisture: _____ decanted: (Y/N) N

Date Extracted: 11/28/2005

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 12/02/2005

Injection Volume: 2.00 (uL)

Dilution Factor: 10.00

GPC Cleanup: (Y/N) N pH: 7.0

CAS NO.	COMPOUND	CONCENTRATION UNITS:	
		(ug/L or ug/Kg)	UG/L
83-32-9	Acenaphthene	100	U
51-28-5	2,4-Dinitrophenol	250	U
100-02-7	4-Nitrophenol	250	U
132-64-9	Dibenzofuran	100	U
121-14-2	2,4-Dinitrotoluene	100	U
84-66-2	Diethyl phthalate	100	U
7005-72-3	4-Chlorophenyl phenyl ether	100	U
86-73-7	Fluorene	100	U
100-01-6	4-Nitroaniline	250	U
534-52-1	4,6-Dinitro-2-methylphenol	250	U
86-30-6	N-nitrosodiphenylamine	100	U
101-55-3	4-Bromophenyl phenyl ether	100	U
118-74-1	Hexachlorobenzene	100	U
1912-24-9	Atrazine	100	U
87-86-5	Pentachlorophenol	250	U
85-01-8	Phenanthrene	6	J
120-12-7	Anthracene	100	U
86-74-8	Carbazole	100	U
84-74-2	Di-n-butyl phthalate	100	U
206-44-0	Fluoranthene	12	J
129-00-0	Pyrene	18	J
85-68-7	Butyl benzyl phthalate	100	U
91-94-1	3,3'-Dichlorobenzidine	100	U
56-55-3	Benzo (a) anthracene	5	J
218-01-9	Chrysene	9	J
117-81-7	Bis (2-ethylhexyl) phthalate	100	U
117-84-0	Di-n-octyl phthalate	100	U
205-99-2	Benzo (b) fluoranthene	15	J
207-08-9	Benzo (k) fluoranthene	15	J
50-32-8	Benzo (a) pyrene	9	J
193-39-5	Indeno (1,2,3-cd) pyrene	6	J
53-70-3	Dibenzo (a,h) anthracene	100	U

ASP 2000 - METHOD 8270 SEMIVOLATILES
ANALYSIS DATA SHEET

Client No.

MW-6A RI

Lab Name: STL Buffalo

Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____Matrix: (soil/water) WATERLab Sample ID: A5D40013RISample wt/vol: 990.00 (g/mL) MLLab File ID: W06848.RRLevel: (low/med) LOWDate Samp/Recv: 11/22/2005 11/23/2005% Moisture: _____ decanted: (Y/N) NDate Extracted: 11/28/2005Concentrated Extract Volume: 1000 (uL)Date Analyzed: 12/02/2005Injection Volume: 2.00 (uL)Dilution Factor: 10.00GPC Cleanup: (Y/N) N pH: 7.0

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/L	Q
191-24-2-----	Benzo(ghi)perylene		8	J

ASP 2000 - METHOD 8270 SEMIVOLATILES
TENTATIVELY IDENTIFIED COMPOUNDS

108/1432

Client No.

Lab Name: STL Buffalo

Contract: _____

MW-6A RI

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) WATER

Lab Sample ID: A5D40013RI

Sample wt/vol: 990.00 (g/mL) ML

Lab File ID: W06848.RR

Level: (low/med) LOW

Date Samp/Recv: 11/22/2005 11/23/2005

% Moisture: _____ decanted: (Y/N) N

Date Extracted: 11/28/2005

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 12/02/2005

Injection Volume: 2.00 (uL)

Dilution Factor: 10.00

GPC Cleanup: (Y/N) N pH: 7.0

Number TICs found: 7

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

CAS NO.	Compound Name	RT	Est. Conc.	Q
1.	UNKNOWN INDENE DERIVATIVE	10.57	30	J
2.	UNKNOWN	10.87	44	J
3.	UNKNOWN	11.50	50	J
4.	UNKNOWN	11.56	21	J
5.	UNKNOWN	11.60	53	J
6.	UNKNOWN	17.47	58	J
7.	UNKNOWN	17.77	56	J

ASP 2000 - METHOD 8270 SEMIVOLATILES
ANALYSIS DATA SHEET

Client No.

MW-6B

Lab Name: STL Buffalo Contract: _____Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____Matrix: (soil/water) WATERLab Sample ID: A5D40014Sample wt/vol: 980.00 (g/mL) MLLab File ID: W06825.RRLevel: (low/med) LOWDate Samp/Recv: 11/22/2005 11/23/2005% Moisture: _____ decanted: (Y/N) NDate Extracted: 11/28/2005Concentrated Extract Volume: 1000 (uL)Date Analyzed: 12/02/2005Injection Volume: 2.00 (uL)Dilution Factor: 1.00GPC Cleanup: (Y/N) N pH: 7.0

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/L Q

100-52-7	Benzaldehyde	10	U
108-95-2	Phenol	10	U
111-44-4	Bis(2-chloroethyl) ether	10	U
95-57-8	2-Chlorophenol	10	U
95-48-7	2-Methylphenol	10	U
108-60-1	2,2'-Oxybis(1-Chloropropane)	10	U
98-86-2	Acetophenone	10	U
106-44-5	4-Methylphenol	10	U
621-64-7	N-Nitroso-Di-n-propylamine	10	U
67-72-1	Hexachloroethane	10	U
98-95-3	Nitrobenzene	10	U
78-59-1	Isophorone	10	U
88-75-5	2-Nitrophenol	10	U
105-67-9	2,4-Dimethylphenol	10	U
111-91-1	Bis(2-chloroethoxy) methane	10	U
120-83-2	2,4-Dichlorophenol	10	U
91-20-3	Naphthalene	10	U
106-47-8	4-Chloroaniline	10	U
87-68-3	Hexachlorobutadiene	10	U
105-60-2	Caprolactam	10	U
59-50-7	4-Chloro-3-methylphenol	10	U
91-57-6	2-Methylnaphthalene	10	U
77-47-4	Hexachlorocyclopentadiene	26	U
88-06-2	2,4,6-Trichlorophenol	10	U
95-95-4	2,4,5-Trichlorophenol	10	U
92-52-4	Biphenyl	10	U
91-58-7	2-Chloronaphthalene	10	U
88-74-4	2-Nitroaniline	26	U
131-11-3	Dimethyl phthalate	10	U
208-96-8	Acenaphthylene	10	U
606-20-2	2,6-Dinitrotoluene	10	U
99-09-2	3-Nitroaniline	26	U

ASP 2000 - METHOD 8270 SEMIVOLATILES
ANALYSIS DATA SHEET

Client No.

Lab Name: STL Buffalo

Contract: _____

MW-6B

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____Matrix: (soil/water) WATERLab Sample ID: A5D40014Sample wt/vol: 980.00 (g/mL) MLLab File ID: W06825.RRLevel: (low/med) LOWDate Samp/Recv: 11/22/2005 11/23/2005% Moisture: _____ decanted: (Y/N) NDate Extracted: 11/28/2005Concentrated Extract Volume: 1000 (uL)Date Analyzed: 12/02/2005Injection Volume: 2.00 (uL)Dilution Factor: 1.00GPC Cleanup: (Y/N) N pH: 7.0

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/L	Q
83-32-9-----	Acenaphthene	10	U	
51-28-5-----	2,4-Dinitrophenol	26	U	
100-02-7-----	4-Nitrophenol	26	U	
132-64-9-----	Dibenzofuran	10	U	
121-14-2-----	2,4-Dinitrotoluene	10	U	
84-66-2-----	Diethyl phthalate	10	U	
7005-72-3-----	4-Chlorophenyl phenyl ether	10	U	
86-73-7-----	Fluorene	10	U	
100-01-6-----	4-Nitroaniline	26	U	
534-52-1-----	4,6-Dinitro-2-methylphenol	26	U	
86-30-6-----	N-nitrosodiphenylamine	10	U	
101-55-3-----	4-Bromophenyl phenyl ether	10	U	
118-74-1-----	Hexachlorobenzene	10	U	
1912-24-9-----	Atrazine	10	U	
87-86-5-----	Pentachlorophenol	26	U	
85-01-8-----	Phenanthrene	10	U	
120-12-7-----	Anthracene	10	U	
86-74-8-----	Carbazole	10	U	
84-74-2-----	Di-n-butyl phthalate	10	U	
206-44-0-----	Fluoranthene	10	U	
129-00-0-----	Pyrene	10	U	
85-68-7-----	Butyl benzyl phthalate	10	U	
91-94-1-----	3,3'-Dichlorobenzidine	10	U	
56-55-3-----	Benzo (a) anthracene	10	U	
218-01-9-----	Chrysene	10	U	
117-81-7-----	Bis(2-ethylhexyl) phthalate	10	U	
117-84-0-----	Di-n-octyl phthalate	10	U	
205-99-2-----	Benzo (b) fluoranthene	10	U	
207-08-9-----	Benzo (k) fluoranthene	10	U	
50-32-8-----	Benzo (a) pyrene	10	U	
193-39-5-----	Indeno (1,2,3-cd) pyrene	10	U	
53-70-3-----	Dibenzo (a,h) anthracene	10	U	

111/1432

ASP 2000 - METHOD 8270 SEMIVOLATILES
ANALYSIS DATA SHEET

Client No.

MW-6B

Lab Name: STL Buffalo Contract: _____Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____Matrix: (soil/water) WATERLab Sample ID: A5D40014Sample wt/vol: 980.00 (g/mL) MLLab File ID: W06825.RRLevel: (low/med) LOWDate Samp/Recv: 11/22/2005 11/23/2005% Moisture: _____ decanted: (Y/N) NDate Extracted: 11/28/2005Concentrated Extract Volume: 1000 (uL)Date Analyzed: 12/02/2005Injection Volume: 2.00 (uL)Dilution Factor: 1.00GPC Cleanup: (Y/N) N pH: 7.0

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/L	Q
191-24-2-----	Benzo(ghi)perylene		10	U

112/1432

ASP 2000 - METHOD 8270 SEMIVOLATILES
TENTATIVELY IDENTIFIED COMPOUNDS

Client No.

MW-6B

Lab Name: STL Buffalo Contract: _____Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____Matrix: (soil/water) WATER Lab Sample ID: A5D40014Sample wt/vol: 980.00 (g/mL) ML Lab File ID: W06825.RRLevel: (low/med) LOW Date Samp/Recv: 11/22/2005 11/23/2005% Moisture: _____ decanted: (Y/N) N Date Extracted: 11/28/2005Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/02/2005Injection Volume: 2.00 (uL) Dilution Factor: 1.00GPC Cleanup: (Y/N) N pH: 7.0Number TICs found: 1CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

CAS NO.	Compound Name	RT	Est. Conc.	Q
1.	UNKNOWN AMIDE DERIVATIVE	16.42	21	BJ

ASP 2000 - METHOD 8270 SEMIVOLATILES
ANALYSIS DATA SHEET

Client No.

MW-8A

Lab Name: STL Buffalo Contract: _____Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____Matrix: (soil/water) WATER Lab Sample ID: A5D40009Sample wt/vol: 1050.0 (g/mL) ML Lab File ID: W06818.RRLevel: (low/med) LOW Date Samp/Recv: 11/22/2005 11/23/2005% Moisture: _____ decanted: (Y/N) N Date Extracted: 11/28/2005Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/01/2005Injection Volume: 2.00 (uL) Dilution Factor: 1.00GPC Cleanup: (Y/N) N pH: 7.0

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/L Q

100-52-7-----	Benzaldehyde	10	U
108-95-2-----	Phenol	10	U
111-44-4-----	Bis(2-chloroethyl) ether	10	U
95-57-8-----	2-Chlorophenol	10	U
95-48-7-----	2-Methylphenol	10	U
108-60-1-----	2,2'-Oxybis(1-Chloropropane)	10	U
98-86-2-----	Acetophenone	10	U
106-44-5-----	4-Methylphenol	10	U
621-64-7-----	N-Nitroso-Di-n-propylamine	10	U
67-72-1-----	Hexachloroethane	10	U
98-95-3-----	Nitrobenzene	10	U
78-59-1-----	Isophorone	10	U
88-75-5-----	2-Nitrophenol	10	U
105-67-9-----	2,4-Dimethylphenol	10	U
111-91-1-----	Bis(2-chloroethoxy) methane	10	U
120-83-2-----	2,4-Dichlorophenol	10	U
91-20-3-----	Naphthalene	10	U
106-47-8-----	4-Chloroaniline	10	U
87-68-3-----	Hexachlorobutadiene	10	U
105-60-2-----	Caprolactam	10	U
59-50-7-----	4-Chloro-3-methylphenol	10	U
91-57-6-----	2-Methylnaphthalene	10	U
77-47-4-----	Hexachlorocyclopentadiene	24	U
88-06-2-----	2,4,6-Trichlorophenol	10	U
95-95-4-----	2,4,5-Trichlorophenol	10	U
92-52-4-----	Biphenyl	10	U
91-58-7-----	2-Chloronaphthalene	10	U
88-74-4-----	2-Nitroaniline	24	U
131-11-3-----	Dimethyl phthalate	10	U
208-96-8-----	Acenaphthylene	10	U
606-20-2-----	2,6-Dinitrotoluene	10	U
99-09-2-----	3-Nitroaniline	24	U

ASP 2000 - METHOD 8270 SEMIVOLATILES
ANALYSIS DATA SHEET

Client No.

Lab Name: STL Buffalo

Contract: _____

MW-8A

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____Matrix: (soil/water) WATERLab Sample ID: A5D40009Sample wt/vol: 1050.0 (g/mL) MLLab File ID: W06818.RRLevel: (low/med) LOWDate Samp/Recv: 11/22/2005 11/23/2005% Moisture: _____ decanted: (Y/N) NDate Extracted: 11/28/2005Concentrated Extract Volume: 1000 (uL)Date Analyzed: 12/01/2005Injection Volume: 2.00 (uL)Dilution Factor: 1.00GPC Cleanup: (Y/N) N pH: 7.0

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/L Q

83-32-9-----	Acenaphthene	10	U
51-28-5-----	2,4-Dinitrophenol	24	U
100-02-7-----	4-Nitrophenol	24	U
132-64-9-----	Dibenzofuran	10	U
121-14-2-----	2,4-Dinitrotoluene	10	U
84-66-2-----	Diethyl phthalate	10	U
7005-72-3-----	4-Chlorophenyl phenyl ether	10	U
86-73-7-----	Fluorene	10	U
100-01-6-----	4-Nitroaniline	24	U
534-52-1-----	4,6-Dinitro-2-methylphenol	24	U
86-30-6-----	N-nitrosodiphenylamine	10	U
101-55-3-----	4-Bromophenyl phenyl ether	10	U
118-74-1-----	Hexachlorobenzene	10	U
1912-24-9-----	Atrazine	10	U
87-86-5-----	Pentachlorophenol	24	U
85-01-8-----	Phenanthrene	10	U
120-12-7-----	Anthracene	10	U
86-74-8-----	Carbazole	10	U
84-74-2-----	Di-n-butyl phthalate	10	U
206-44-0-----	Fluoranthene	10	U
129-00-0-----	Pyrene	10	U
85-68-7-----	Butyl benzyl phthalate	10	U
91-94-1-----	3,3'-Dichlorobenzidine	10	U
56-55-3-----	Benzo (a) anthracene	10	U
218-01-9-----	Chrysene	10	U
117-81-7-----	Bis(2-ethylhexyl) phthalate	10	U
117-84-0-----	Di-n-octyl phthalate	10	U
205-99-2-----	Benzo (b) fluoranthene	10	U
207-08-9-----	Benzo (k) fluoranthene	10	U
50-32-8-----	Benzo (a) pyrene	10	U
193-39-5-----	Indeno (1,2,3-cd) pyrene	10	U
53-70-3-----	Dibenzo (a,h) anthracene	10	U

ASP 2000 - METHOD 8270 SEMIVOLATILES
ANALYSIS DATA SHEET

115/1432

Client No.

Lab Name: SIL Buffalo

Contract: _____

MW-8A

Lab Code: RECN Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) WATER

Lab Sample ID: A5D40009

Sample wt/vol: 1050.0 (g/mL) ML

Lab File ID: W06818.RR

Level: (low/med) LOW

Date Samp/Recv: 11/22/2005 11/23/2005

% Moisture: _____ decanted: (Y/N) N

Date Extracted: 11/28/2005

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 12/01/2005

Injection Volume: 2.00 (uL)

Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 7.0

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/L Q

191-24-2-----	Benzo(ghi)perylene	10	U
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ASP 2000 - METHOD 8270 SEMIVOLATILES
TENTATIVELY IDENTIFIED COMPOUNDS

Client No.

MW-8A

Lab Name: STL Buffalo

Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____Matrix: (soil/water) WATERLab Sample ID: A5D40009Sample wt/vol: 1050.0 (g/mL) MLLab File ID: W06818.RRLevel: (low/med) LOWDate Samp/Recv: 11/22/2005 11/23/2005% Moisture: _____ decanted: (Y/N) NDate Extracted: 11/28/2005Concentrated Extract Volume: 1000 (uL)Date Analyzed: 12/01/2005Injection Volume: 2.00 (uL)Dilution Factor: 1.00GPC Cleanup: (Y/N) N pH: 7.0Number TICs found: 4CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

CAS NO.	Compound Name	RT	Est. Conc.	Q
1. 111-06-8	BUTYL ESTER HEXADECANOIC ACI	14.64	100	JN
2.	UNKNOWN PHENOL DERIVATIVE	14.68	2	J
3. 123-95-5	BUTYL ESTER OCTADECANOIC ACI	15.29	91	JN
4.	UNKNOWN AMIDE DERIVATIVE	16.42	10	BJ

ASP 2000 - METHOD 8270 SEMIVOLATILES
ANALYSIS DATA SHEET

Client No.

Lab Name: STL Buffalo

Contract: _____

MW-8B

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____Matrix: (soil/water) WATERLab Sample ID: A5D40010Sample wt/vol: 1035.0 (g/mL) MLLab File ID: W06819.RRLevel: (low/med) LOWDate Samp/Recv: 11/22/2005 11/23/2005% Moisture: _____ decanted: (Y/N) NDate Extracted: 11/28/2005Concentrated Extract Volume: 1000 (uL)Date Analyzed: 12/01/2005Injection Volume: 2.00 (uL)Dilution Factor: 1.00GPC Cleanup: (Y/N) N pH: 7.0

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/L Q

100-52-7-----	Benzaldehyde	10	U
108-95-2-----	Phenol	10	U
111-44-4-----	Bis(2-chloroethyl) ether	10	U
95-57-8-----	2-Chlorophenol	10	U
95-48-7-----	2-Methylphenol	10	U
108-60-1-----	2,2'-Oxybis(1-Chloropropane)	10	U
98-86-2-----	Acetophenone	10	U
106-44-5-----	4-Methylphenol	10	U
621-64-7-----	N-Nitroso-Di-n-propylamine	10	U
67-72-1-----	Hexachloroethane	10	U
98-95-3-----	Nitrobenzene	10	U
78-59-1-----	Isophorone	10	U
88-75-5-----	2-Nitrophenol	10	U
105-67-9-----	2,4-Dimethylphenol	10	U
111-91-1-----	Bis(2-chloroethoxy) methane	10	U
120-83-2-----	2,4-Dichlorophenol	10	U
91-20-3-----	Naphthalene	10	U
106-47-8-----	4-Chloroaniline	10	U
87-68-3-----	Hexachlorobutadiene	10	U
105-60-2-----	Caprolactam	10	U
59-50-7-----	4-Chloro-3-methylphenol	10	U
91-57-6-----	2-Methylnaphthalene	10	U
77-47-4-----	Hexachlorocyclopentadiene	24	U
88-06-2-----	2,4,6-Trichlorophenol	10	U
95-95-4-----	2,4,5-Trichlorophenol	10	U
92-52-4-----	Biphenyl	10	U
91-58-7-----	2-Chloronaphthalene	10	U
88-74-4-----	2-Nitroaniline	24	U
131-11-3-----	Dimethyl phthalate	10	U
208-96-8-----	Acenaphthylene	10	U
606-20-2-----	2,6-Dinitrotoluene	10	U
99-09-2-----	3-Nitroaniline	24	U

ASP 2000 - METHOD 8270 SEMIVOLATILES
ANALYSIS DATA SHEET

118/1432

Client No.

Lab Name: STL Buffalo

Contract: _____

MW-8B

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) WATER

Lab Sample ID: A5D40010

Sample wt/vol: 1035.0 (g/mL) ML

Lab File ID: W06819.RR

Level: (low/med) LOW

Date Samp/Recv: 11/22/2005 11/23/2005

% Moisture: _____ decanted: (Y/N) N

Date Extracted: 11/28/2005

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 12/01/2005

Injection Volume: 2.00 (uL)

Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 7.0

CAS NO.	COMPOUND	CONCENTRATION UNITS:	
		(ug/L or ug/Kg)	UG/L
83-32-9	Acenaphthene	10	U
51-28-5	2,4-Dinitrophenol	24	U
100-02-7	4-Nitrophenol	24	U
132-64-9	Dibenzofuran	10	U
121-14-2	2,4-Dinitrotoluene	10	U
84-66-2	Diethyl phthalate	10	U
7005-72-3	4-Chlorophenyl phenyl ether	10	U
86-73-7	Fluorene	10	U
100-01-6	4-Nitroaniline	24	U
534-52-1	4,6-Dinitro-2-methylphenol	24	U
86-30-6	N-nitrosodiphenylamine	10	U
101-55-3	4-Bromophenyl phenyl ether	10	U
118-74-1	Hexachlorobenzene	10	U
1912-24-9	Atrazine	10	U
87-86-5	Pentachlorophenol	24	U
85-01-8	Phenanthrene	10	U
120-12-7	Anthracene	10	U
86-74-8	Carbazole	10	U
84-74-2	Di-n-butyl phthalate	10	U
206-44-0	Fluoranthene	10	U
129-00-0	Pyrene	10	U
85-68-7	Butyl benzyl phthalate	10	U
91-94-1	3,3'-Dichlorobenzidine	10	U
56-55-3	Benzo (a) anthracene	10	U
218-01-9	Chrysene	10	U
117-81-7	Bis(2-ethylhexyl) phthalate	10	U
117-84-0	Di-n-octyl phthalate	10	U
205-99-2	Benzo (b) fluoranthene	10	U
207-08-9	Benzo (k) fluoranthene	10	U
50-32-8	Benzo (a) pyrene	10	U
193-39-5	Indeno (1,2,3-cd) pyrene	10	U
53-70-3	Dibenzo (a,h) anthracene	10	U

119/1432

ASP 2000 - METHOD 8270 SEMIVOLATILES
ANALYSIS DATA SHEET

Client No.

MW-8B

Lab Name: STL Buffalo

Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____Matrix: (soil/water) WATERLab Sample ID: A5D40010Sample wt/vol: 1035.0 (g/mL) MLLab File ID: W06819.RRLevel: (low/med) LOWDate Samp/Recv: 11/22/2005 11/23/2005% Moisture: _____ decanted: (Y/N) NDate Extracted: 11/28/2005Concentrated Extract Volume: 1000 (uL)Date Analyzed: 12/01/2005Injection Volume: 2.00 (uL)Dilution Factor: 1.00GPC Cleanup: (Y/N) N pH: 7.0

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/L	Q
191-24-2-----	Benzo (ghi) perylene		10	U

ASP 2000 - METHOD 8270 SEMIVOLATILES
TENTATIVELY IDENTIFIED COMPOUNDS

120/1432

Client No.

Lab Name: STL Buffalo

Contract: _____

MW-8B

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) WATER

Lab Sample ID: A5D40010

Sample wt/vol: 1035.0 (g/mL) ML

Lab File ID: W06819.RR

Level: (low/med) LOW

Date Samp/Recv: 11/22/2005 11/23/2005

% Moisture: _____ decanted: (Y/N) N

Date Extracted: 11/28/2005

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 12/01/2005

Injection Volume: 2.00 (uL)

Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 7.0

Number TICs found: 1

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

CAS NO.	Compound Name	RT	Est. Conc.	Q
1.	UNKNOWN AMIDE DERIVATIVE	16.43	12	BJ

ASP 2000 - METHOD 8270 SEMIVOLATILES
ANALYSIS DATA SHEET

Client No.

MW-9A

Lab Name: SIL Buffalo Contract: _____Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____Matrix: (soil/water) WATERLab Sample ID: A5D40011Sample wt/vol: 1000.0 (g/mL) MLLab File ID: W06820.RRLevel: (low/med) LOWDate Samp/Recv: 11/22/2005 11/23/2005% Moisture: _____ decanted: (Y/N) NDate Extracted: 11/28/2005Concentrated Extract Volume: 1000 (uL)Date Analyzed: 12/01/2005Injection Volume: 2.00 (uL)Dilution Factor: 1.00GPC Cleanup: (Y/N) N pH: 7.0

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/L Q

100-52-7-----	Benzaldehyde	10	U
108-95-2-----	Phenol	10	U
111-44-4-----	Bis(2-chloroethyl) ether	10	U
95-57-8-----	2-Chlorophenol	10	U
95-48-7-----	2-Methylphenol	10	U
108-60-1-----	2,2'-Oxybis(1-Chloropropane)	10	U
98-86-2-----	Acetophenone	10	U
106-44-5-----	4-Methylphenol	10	U
621-64-7-----	N-Nitroso-Di-n-propylamine	10	U
67-72-1-----	Hexachloroethane	10	U
98-95-3-----	Nitrobenzene	10	U
78-59-1-----	Isophorone	10	U
88-75-5-----	2-Nitrophenol	10	U
105-67-9-----	2,4-Dimethylphenol	10	U
111-91-1-----	Bis(2-chloroethoxy) methane	10	U
120-83-2-----	2,4-Dichlorophenol	10	U
91-20-3-----	Naphthalene	10	U
106-47-8-----	4-Chloroaniline	10	U
87-68-3-----	Hexachlorobutadiene	10	U
105-60-2-----	Caprolactam	10	U
59-50-7-----	4-Chloro-3-methylphenol	10	U
91-57-6-----	2-Methylnaphthalene	10	U
77-47-4-----	Hexachlorocyclopentadiene	25	U
88-06-2-----	2,4,6-Trichlorophenol	10	U
95-95-4-----	2,4,5-Trichlorophenol	10	U
92-52-4-----	Biphenyl	10	U
91-58-7-----	2-Chloronaphthalene	10	U
88-74-4-----	2-Nitroaniline	25	U
131-11-3-----	Dimethyl phthalate	10	U
208-96-8-----	Acenaphthylene	10	U
606-20-2-----	2,6-Dinitrotoluene	10	U
99-09-2-----	3-Nitroaniline	25	U

ASP 2000 - METHOD 8270 SEMIVOLATILES
ANALYSIS DATA SHEET

122/1432

Client No.

Lab Name: STL Buffalo

Contract: _____

MW-9A

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) WATER

Lab Sample ID: A5D40011

Sample wt/vol: 1000.0 (g/mL) ML

Lab File ID: W06820.RR

Level: (low/med) LOW

Date Samp/Recv: 11/22/2005 11/23/2005

% Moisture: _____ decanted: (Y/N) N

Date Extracted: 11/28/2005

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 12/01/2005

Injection Volume: 2.00 (uL)

Dilution Factor: 1.00

SFC Cleanup: (Y/N) N pH: 7.0

CAS NO.	COMPOUND	CONCENTRATION UNITS:	
		(ug/L or ug/Kg)	UG/L
83-32-9	Acenaphthene	10	U
51-28-5	2,4-Dinitrophenol	25	U
100-02-7	4-Nitrophenol	25	U
132-64-9	Dibenzofuran	10	U
121-14-2	2,4-Dinitrotoluene	10	U
84-66-2	Diethyl phthalate	10	U
7005-72-3	4-Chlorophenyl phenyl ether	10	U
86-73-7	Fluorene	10	U
100-01-6	4-Nitroaniline	25	U
534-52-1	4,6-Dinitro-2-methylphenol	25	U
86-30-6	N-nitrosodiphenylamine	10	U
101-55-3	4-Bromophenyl phenyl ether	10	U
118-74-1	Hexachlorobenzene	10	U
1912-24-9	Atrazine	10	U
87-86-5	Pentachlorophenol	25	U
85-01-8	Phenanthrene	10	U
120-12-7	Anthracene	10	U
86-74-8	Carbazole	10	U
84-74-2	Di-n-butyl phthalate	10	U
206-44-0	Fluoranthene	10	U
129-00-0	Pyrene	10	U
85-68-7	Butyl benzyl phthalate	10	U
91-94-1	3,3'-Dichlorobenzidine	10	U
56-55-3	Benzo(a)anthracene	10	U
218-01-9	Chrysene	10	U
117-81-7	Bis(2-ethylhexyl) phthalate	10	U
117-84-0	Di-n-octyl phthalate	10	U
205-99-2	Benzo(b)fluoranthene	10	U
207-08-9	Benzo(k)fluoranthene	10	U
50-32-8	Benzo(a)pyrene	10	U
193-39-5	Indeno(1,2,3-cd)pyrene	10	U
53-70-3	Dibenzo(a,h)anthracene	10	U

ASP 2000 - METHOD 8270 SEMIVOLATILES
ANALYSIS DATA SHEET

Client No.

MW-9A

Lab Name: STL Buffalo

Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____Matrix: (soil/water) WATERLab Sample ID: A5D40011Sample wt/vol: 1000.0 (g/mL) MLLab File ID: W06820.RRLevel: (low/med) LOWDate Samp/Recv: 11/22/2005 11/23/2005% Moisture: _____ decanted: (Y/N) NDate Extracted: 11/28/2005Concentrated Extract Volume: 1000 (uL)Date Analyzed: 12/01/2005Injection Volume: 2.00 (uL)Dilution Factor: 1.00GPC Cleanup: (Y/N) N pH: 7.0

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/L	Q
191-24-2-----	Benzo(ghi)perylene		10	U

ASP 2000 - METHOD 8270 SEMIVOLATILES
TENTATIVELY IDENTIFIED COMPOUNDS

124/1432

Client No.

Lab Name: STL Buffalo

Contract: _____

MW-9A

Lab Code: REONY Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) WATER

Lab Sample ID: A5D40011

Sample wt/vol: 1000.0 (g/mL) ML

Lab File ID: W06820.RR

Level: (low/med) LOW

Date Samp/Recv: 11/22/2005 11/23/2005

% Moisture: _____ decanted: (Y/N) N

Date Extracted: 11/28/2005

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 12/01/2005

Injection Volume: 2.00 (uL)

Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 7.0

Number TICs found: 1

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

CAS NO.	Compound Name	RT	Est. Conc.	Q
1.	UNKNOWN AMIDE DERIVATIVE	16.45	14	BJ

ASP 2000 - METHOD 8270 SEMIVOLATILES
 ANALYSIS DATA SHEET

Client No.

MW-9B

Lab Name: STL Buffalo Contract: _____Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____Matrix: (soil/water) WATERLab Sample ID: A5D40012Sample wt/vol: 1000.0 (g/mL) MLLab File ID: W06821.RRLevel: (low/med) LOWDate Samp/Recv: 11/22/2005 11/23/2005% Moisture: _____ decanted: (Y/N) NDate Extracted: 11/28/2005Concentrated Extract Volume: 1000 (uL)Date Analyzed: 12/01/2005Injection Volume: 2.00 (uL)Dilution Factor: 1.00GPC Cleanup: (Y/N) N pH: 7.0

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/L Q

100-52-7-----	Benzaldehyde	10	U
108-95-2-----	Phenol	10	U
111-44-4-----	Bis(2-chloroethyl) ether	10	U
95-57-8-----	2-Chlorophenol	10	U
95-48-7-----	2-Methylphenol	10	U
108-60-1-----	2,2'-Oxybis(1-Chloropropane)	10	U
98-86-2-----	Acetophenone	10	U
106-44-5-----	4-Methylphenol	10	U
621-64-7-----	N-Nitroso-Di-n-propylamine	10	U
67-72-1-----	Hexachloroethane	10	U
98-95-3-----	Nitrobenzene	10	U
78-59-1-----	Isophorone	10	U
88-75-5-----	2-Nitrophenol	10	U
105-67-9-----	2,4-Dimethylphenol	10	U
111-91-1-----	Bis(2-chloroethoxy) methane	10	U
120-83-2-----	2,4-Dichlorophenol	10	U
91-20-3-----	Naphthalene	10	U
106-47-8-----	4-Chloroaniline	10	U
87-68-3-----	Hexachlorobutadiene	10	U
105-60-2-----	Caprolactam	10	U
59-50-7-----	4-Chloro-3-methylphenol	10	U
91-57-6-----	2-Methylnaphthalene	10	U
77-47-4-----	Hexachlorocyclopentadiene	25	U
88-06-2-----	2,4,6-Trichlorophenol	10	U
95-95-4-----	2,4,5-Trichlorophenol	10	U
92-52-4-----	Biphenyl	10	U
91-58-7-----	2-Chloronaphthalene	10	U
88-74-4-----	2-Nitroaniline	25	U
131-11-3-----	Dimethyl phthalate	10	U
208-96-8-----	Acenaphthylene	10	U
606-20-2-----	2,6-Dinitrotoluene	10	U
99-09-2-----	3-Nitroaniline	25	U

ASP 2000 - METHOD 8270 SEMIVOLATILES
ANALYSIS DATA SHEET

126/1432

Client No.

Lab Name: STL Buffalo

Contract: _____

MW-9B

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) WATER

Lab Sample ID: ASD40012

Sample wt/vol: 1000.0 (g/mL) ML

Lab File ID: W06821.RR

Level: (low/med) LOW

Date Samp/Recv: 11/22/2005 11/23/2005

% Moisture: _____ decanted: (Y/N) N

Date Extracted: 11/28/2005

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 12/01/2005

Injection Volume: 2.00 (uL)

Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 7.0

CONCENTRATION UNITS:

CAS NO. COMPOUND

(ug/L or ug/Kg)

UG/L

Q

83-32-9-----	Acenaphthene	10	U
51-28-5-----	2,4-Dinitrophenol	25	U
100-02-7-----	4-Nitrophenol	25	U
132-64-9-----	Dibenzofuran	10	U
121-14-2-----	2,4-Dinitrotoluene	10	U
84-66-2-----	Diethyl phthalate	10	U
7005-72-3-----	4-Chlorophenyl phenyl ether	10	U
86-73-7-----	Fluorene	10	U
100-01-6-----	4-Nitroaniline	25	U
534-52-1-----	4,6-Dinitro-2-methylphenol	25	U
86-30-6-----	N-nitrosodiphenylamine	10	U
101-55-3-----	4-Bromophenyl phenyl ether	10	U
118-74-1-----	Hexachlorobenzene	10	U
1912-24-9-----	Atrazine	10	U
87-86-5-----	Pentachlorophenol	25	U
85-01-8-----	Phenanthrene	10	U
120-12-7-----	Anthracene	10	U
86-74-8-----	Carbazole	10	U
84-74-2-----	Di-n-butyl phthalate	10	U
206-44-0-----	Fluoranthene	10	U
129-00-0-----	Pyrene	10	U
85-68-7-----	Butyl benzyl phthalate	10	U
91-94-1-----	3,3'-Dichlorobenzidine	10	U
56-55-3-----	Benzo(a)anthracene	10	U
218-01-9-----	Chrysene	10	U
117-81-7-----	Bis(2-ethylhexyl) phthalate	10	U
117-84-0-----	Di-n-octyl phthalate	10	U
205-99-2-----	Benzo(b)fluoranthene	10	U
207-08-9-----	Benzo(k)fluoranthene	10	U
50-32-8-----	Benzo(a)pyrene	10	U
193-39-5-----	Indeno(1,2,3-cd)pyrene	10	U
53-70-3-----	Dibenzo(a,h)anthracene	10	U

127/1432

ASP 2000 - METHOD 8270 SEMIVOLATILES
ANALYSIS DATA SHEET

Client No.

MW-9B

Lab Name: STL Buffalo

Contract: _____

Lab Code: RECN Case No.: _____ SAS No.: _____ SDG No.: _____Matrix: (soil/water) WATERLab Sample ID: A5D40012Sample wt/vol: 1000.0 (g/mL) MLLab File ID: W06821.RRLevel: (low/med) LOWDate Samp/Recv: 11/22/2005 11/23/2005% Moisture: _____ decanted: (Y/N) NDate Extracted: 11/28/2005Concentrated Extract Volume: 1000 (uL)Date Analyzed: 12/01/2005Injection Volume: 2.00 (uL)Dilution Factor: 1.00GPC Cleanup: (Y/N) N pH: 7.0

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/L	Q
191-24-2-----	Benzo(ghi)perylene		10	U

ASP 2000 - METHOD 8270 SEMIVOLATILES
TENTATIVELY IDENTIFIED COMPOUNDS

128/1432

Client No.

Lab Name: STL Buffalo

Contract: _____

MW-9B

Lab Code: RECN Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) WATER

Lab Sample ID: A5D40012

Sample wt/vol: 1000.0 (g/mL) ML

Lab File ID: W06821.RR

Level: (low/med) LOW

Date Samp/Recv: 11/22/2005 11/23/2005

% Moisture: _____ decanted: (Y/N) N

Date Extracted: 11/28/2005

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 12/01/2005

Injection Volume: 2.00 (uL)

Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 7.0

Number TICs found: 1

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

CAS NO.	Compound Name	RT	Est. Conc.	Q
1.	UNKNOWN AMIDE DERIVATIVE	16.42	14	BJ

Delta Environmental Consultants, Inc.

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INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

MW-11A

Contract: CN04-015

Lab Code: STLBFO

Case No.:

SAS No.:

SDG NO.: A05-D400

Matrix (soil/water): WATER

Lab Sample ID: AD567906

Level (low/med): LOW

Date Received: 11/23/2005

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7440-43-9	Cadmium	0.39	U		P
7440-47-3	Chromium	1.3	B		P
7439-92-1	Lead	1.8	U		P
7782-49-2	Selenium	6.7	U		P
7440-66-6	Zinc	9.3	B		P

Color Before: COLORLESS

Clarity Before: CLEAR

Texture: NONE

Color After: COLORLESS

Clarity After: CLEAR

Artifacts:

Comments:

Delta Environmental Consultants, Inc.

-1-

INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

MW-11B

Contract: CN04-015

Lab Code: STLBFLO

Case No.:

SAS No.:

SDG NO.: A05-D400

Matrix (soil/water): WATER

Lab Sample ID: AD567907

Level (low/med): LOW

Date Received: 11/23/2005

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7440-43-9	Cadmium	0.39	U		P
7440-47-3	Chromium	0.58	U		P
7439-92-1	Lead	1.8	U		P
7782-49-2	Selenium	6.7	U		P
7440-66-6	Zinc	2.2	B		P

Color Before: COLORLESS

Clarity Before: CLEAR

Texture: NONE

Color After: COLORLESS

Clarity After: CLEAR

Artifacts:

Comments:

Delta Environmental Consultants, Inc.

-1-

INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

MW-11C

Contract: CN04-015

Lab Code: STLBFO

Case No.:

SAS No.:

SDG No.: A05-D400

Matrix (soil/water): WATER

Lab Sample ID: AD567908

Level (low/med): LOW

Date Received: 11/23/2005

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7440-43-9	Cadmium	0.39	U		P
7440-47-3	Chromium	1.1	B		P
7439-92-1	Lead	1.8	U		P
7782-49-2	Selenium	6.7	U		P
7440-66-6	Zinc	6.4	B		P

Color Before: COLORLESS

Clarity Before: CLEAR

Texture: NONE

Color After: COLORLESS

Clarity After: CLEAR

Artifacts:

Comments:

Delta Environmental Consultants, Inc.

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INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

MW-12A

Contract: CN04-015

Lab Code: STLBFL0

Case No.:

SAS No.:

SDG NO.: A05-D400

Matrix (soil/water): WATER

Lab Sample ID: AD567914

Level (low/med): LOW

Date Received: 11/23/2005

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7440-43-9	Cadmium	0.39	U		P
7440-47-3	Chromium	2.8	B		P
7439-92-1	Lead	1.8	U		P
7782-49-2	Selenium	6.7	U		P
7440-66-6	Zinc	12.3	B		P

Color Before: BROWN

Clarity Before: CLOUDY

Texture: NONE

Color After: YELLOW

Clarity After: CLOUDY

Artifacts:

Comments:

STL BUFFALO

Delta Environmental Consultants, Inc.

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INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

MW-12B

Contract: CN04-015

Lab Code: STLBFO

Case No.:

SAS No.:

SDG NO.: A05-D400

Matrix (soil/water): WATER

Lab Sample ID: AD567915

Level (low/med): LOW

Date Received: 11/23/2005

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7440-43-9	Cadmium	0.39	B		P
7440-47-3	Chromium	1.5	B		P
7439-92-1	Lead	1.8	U		P
7782-49-2	Selenium	6.7	U		P
7440-66-6	Zinc	20.6			P

Color Before: COLORLESS

Clarity Before: CLEAR

Texture: NONE

Color After: COLORLESS

Clarity After: CLEAR

Artifacts:

Comments:

Delta Environmental Consultants, Inc.

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INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

MW-2

Contract: CN04-015

Lab Code: STLBFL0

Case No.:

SAS No.:

SDG NO.: A05-D400

Matrix (soil/water): WATER

Lab Sample ID: AD567916

Level (low/med): LOW

Date Received: 11/23/2005

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7440-43-9	Cadmium	0.70	B		P
7440-47-3	Chromium	0.81	B		P
7439-92-1	Lead	5.0			P
7782-49-2	Selenium	6.7	U		P
7440-66-6	Zinc	9.5	B		P

Color Before: COLORLESS

Clarity Before: CLEAR

Texture: NONE

Color After: COLORLESS

Clarity After: CLEAR

Artifacts:

Comments:

Delta Environmental Consultants, Inc.

-1-

INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

MW-4A

Contract: CN04-015

Lab Code: STLBFLO

Case No.:

SAS No.:

SDG NO.: A05-D400

Matrix (soil/water): WATER

Lab Sample ID: AD567909

Level (low/med): LOW

Date Received: 11/23/2005

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7440-43-9	Cadmium	0.39	U		P
7440-47-3	Chromium	0.58	U		P
7439-92-1	Lead	1.8	U		P
7782-49-2	Selenium	6.7	U		P
7440-66-6	Zinc	1.6	B		P

Color Before: COLORLESS

Clarity Before: CLEAR

Texture: NONE

Color After: COLORLESS

Clarity After: CLEAR

Artifacts:

Comments:

Delta Environmental Consultants, Inc.

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INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

MW-4B

Contract: CN04-015

Lab Code: STLBFL0

Case No.:

SAS No.:

SDG NO.: A05-D400

Matrix (soil/water): WATER

Lab Sample ID: AD567913

Level (low/med): LOW

Date Received: 11/23/2005

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7440-43-9	Cadmium	0.39	U		P
7440-47-3	Chromium	0.58	U		P
7439-92-1	Lead	1.8	U		P
7782-49-2	Selenium	6.7	U		P
7440-66-6	Zinc	7.7	B		P

Color Before: COLORLESS

Clarity Before: CLEAR

Texture: NONE

Color After: COLORLESS

Clarity After: CLEAR

Artifacts:

Comments:

Delta Environmental Consultants, Inc.

-1-

INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

MW-6A

Contract: CN04-015

Lab Code: STLBFO

Case No.:

SAS No.:

SDG NO.: A05-D400

Matrix (soil/water): WATER

Lab Sample ID: AD567946

Level (low/med): LOW

Date Received: 11/23/2005

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7440-43-9	Cadmium	0.52	B		P
7440-47-3	Chromium	1.9	B		P
7439-92-1	Lead	3.4			P
7782-49-2	Selenium	6.7	U		P
7440-66-6	Zinc	18.5	B		P

Color Before: COLORLESS

Clarity Before: CLEAR

Texture: NONE

Color After: COLORLESS

Clarity After: CLEAR

Artifacts:

Comments:

Delta Environmental Consultants, Inc.

-1-

INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

MW-6B

Contract: CN04-015

Lab Code: STLBFL0

Case No.:

SAS No.:

SDG NO.: A05-D400

Matrix (soil/water): WATER

Lab Sample ID: AD567947

Level (low/med): LOW

Date Received: 11/23/2005

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7440-43-9	Cadmium	0.39	U		P
7440-47-3	Chromium	0.58	U		P
7439-92-1	Lead	1.8	U		P
7782-49-2	Selenium	6.7	U		P
7440-66-6	Zinc	1.2	U		P

Color Before: COLORLESS

Clarity Before: CLEAR

Texture: NONE

Color After: COLORLESS

Clarity After: CLEAR

Artifacts:

Comments:

Delta Environmental Consultants, Inc.

-1-

INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

MW-8A

Contract: CN04-015

Lab Code: STLBFO

Case No.:

SAS No.:

SDG NO.: A05-D400

Matrix (soil/water): WATER

Lab Sample ID: AD567917

Level (low/med): LOW

Date Received: 11/23/2005

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7440-43-9	Cadmium	0.39	U		P
7440-47-3	Chromium	0.58	U		P
7439-92-1	Lead	1.8	U		P
7782-49-2	Selenium	6.7	U		P
7440-66-6	Zinc	2.3	B		P

Color Before: COLORLESS

Clarity Before: CLEAR

Texture: NONE

Color After: COLORLESS

Clarity After: CLEAR

Artifacts:

Comments:

Delta Environmental Consultants, Inc.

-1-

INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

MW-8B

Contract: CN04-015

Lab Code: STLBFL0

Case No.:

SAS No.:

SDG NO.: A05-D400

Matrix (soil/water): WATER

Lab Sample ID: AD567918

Level (low/med): LOW

Date Received: 11/23/2005

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7440-43-9	Cadmium	0.39	U		P
7440-47-3	Chromium	0.58	U		P
7439-92-1	Lead	1.8	U		P
7782-49-2	Selenium	6.7	U		P
7440-66-6	Zinc	6.8	B		P

Color Before: COLORLESS

Clarity Before: CLEAR

Texture: NONE

Color After: COLORLESS

Clarity After: CLEAR

Artifacts:

Comments:

STL BUFFALO

Delta Environmental Consultants, Inc.

-1-

INORGANIC ANALYSIS DATA SHEET

SAMPLE NO. .

MW-9A

Contract: CN04-015

Lab Code: STLBFLO

Case No.:

SAS No.:

SDG NO.: A05-D400

Matrix (soil/water): WATER

Lab Sample ID: AD567919

Level (low/med): LOW

Date Received: 11/23/2005

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7440-43-9	Cadmium	37.5			P
7440-47-3	Chromium	0.58	U		P
7439-92-1	Lead	1.8	U		P
7782-49-2	Selenium	6.7	U		P
7440-66-6	Zinc	105			P

Color Before: COLORLESS

Clarity Before: CLEAR

Texture: NONE

Color After: COLORLESS

Clarity After: CLEAR

Artifacts:

Comments:

Delta Environmental Consultants, Inc.

-1-

INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

MW-9B

Contract: CN04-015

Lab Code: STLBFO

Case No.:

SAS No.:

SDG NO.: A05-D400

Matrix (soil/water): WATER

Lab Sample ID: AD567942

Level (low/med): LOW

Date Received: 11/23/2005

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7440-43-9	Cadmium	0.39	U		P
7440-47-3	Chromium	0.58	U		P
7439-92-1	Lead	1.8	U		P
7782-49-2	Selenium	6.7	U		P
7440-66-6	Zinc	5.4	B		P

Color Before: COLORLESS

Clarity Before: CLEAR

Texture: NONE

Color After: COLORLESS

Clarity After: CLEAR

Artifacts:

Comments:

Wet Chemistry Analysis

143/1432

Client Sample No.

MW-11A

Lab Name: STL Buffalo

Contract: _____

Lab Code: RECN

Case No.: _____

SAS No.: _____

SDG No.: _____

Matrix (soil/water): WATERLab Sample ID: A5D40001% Solids: 0.0Date Samp/Recv: 11/21/2005 11/23/2005

Parameter Name	Units of Measure	Result	C	Q	M	Method Number	Analyzed Date
Total Recoverable Phenolics	MG/L	0.010	U			420.2	11/25/2005

Comments:

Wet Chemistry Analysis

144/1432

Client Sample No.

Lab Name: STL Buffalo

Contract: _____

MW-11B

Lab Code: RECNY

Case No.: _____

SAS No.: _____

SDG No.: _____

Matrix (soil/water): WATERLab Sample ID: A5D40002% Solids: 0.0Date Samp/Recv: 11/21/2005 11/23/2005

Parameter Name	Units of Measure	Result	C	Q	M	Method Number	Analyzed Date
Total Recoverable Phenolics	MG/L	0.010	U			420.2	11/25/2005

Comments:

Wet Chemistry Analysis

145/1432

Client Sample No.

MW-11C

Lab Name: STL Buffalo

Contract: _____

Lab Code: RECNY

Case No.: _____

SAS No.: _____

SDG No.: _____

Matrix (soil/water): WATERLab Sample ID: A5D40003% Solids: 0.0Date Samp/Recv: 11/21/2005 11/23/2005

Parameter Name	Units of Measure	Result	C	Q	M	Method Number	Analyzed Date
Total Recoverable Phenolics _____	MG/L	0.010	U			420.2	11/25/2005

Comments:

Wet Chemistry Analysis

146/1432

Client Sample No.

Lab Name: STL Buffalo

Contract: _____

MW-12A

Lab Code: RECNY

Case No.: _____

SAS No.: _____

SDG No.: _____

Matrix (soil/water): WATERLab Sample ID: A5D40006% Solids: 0.0Date Samp/Recv: 11/21/2005 11/23/2005

Parameter Name	Units of Measure	Result	C	Q	M	Method Number	Analyzed Date
Total Recoverable Phenolics	MG/L	0.010	U			420.2	11/25/2005

Comments:

Wet Chemistry Analysis

147/1432

Client Sample No.

MW-12B

Lab Name: STL Buffalo

Contract: _____

Lab Code: RECNY

Case No.: _____

SAS No.: _____

SDG No.: _____

Matrix (soil/water): WATERLab Sample ID: A5D40007% Solids: 0.0Date Samp/Recv: 11/21/2005 11/23/2005

Parameter Name	Units of Measure	Result	C	Q	M	Method Number	Analyzed Date
Total Recoverable Phenolics	MG/L	0.010	U			420.2	11/25/2005

Comments:

Wet Chemistry Analysis

148/1432

Client Sample No.

Lab Name: STL Buffalo

Contract: _____

MW-2

Lab Code: RECONY

Case No.: _____

SAS No.: _____

SDG No.: _____

Matrix (soil/water): WATERLab Sample ID: A5D40008% Solids: 0.0Date Samp/Recv: 11/21/2005 11/23/2005

Parameter Name	Units of Measure	Result	C	Q	M	Method Number	Analyzed Date
Total Recoverable Phenolics	MG/L	0.010	U			420.2	11/25/2005

Comments:

Wet Chemistry Analysis

149/1432

Client Sample No.

MW-4A

Lab Name: STL Buffalo

Contract: _____

Lab Code: RECNV

Case No.: _____

SAS No.: _____

SDG No.: _____

Matrix (soil/water): WATERLab Sample ID: A5D40004% Solids: 0.0Date Samp/Recv: 11/21/2005 11/23/2005

Parameter Name	Units of Measure	Result	C	Q	M	Method Number	Analyzed Date
Total Recoverable Phenolics	MG/L	0.010	U			420.2	11/25/2005

Comments:

Wet Chemistry Analysis

150/1432

Client Sample No.

Lab Name: STL Buffalo

Contract: _____

MW-4B

Lab Code: RECNY

Case No.: _____

SAS No.: _____

SDG No.: _____

Matrix (soil/water): WATERLab Sample ID: A5D40005% Solids: 0.0Date Samp/Recv: 11/21/2005 11/23/2005

Parameter Name	Units of Measure	Result	C	Q	M	Method Number	Analyzed Date
Total Recoverable Phenolics	MG/L	0.010	U			420.2	11/25/2005

Comments:

Wet Chemistry Analysis

151/1432

Client Sample No.

MW-6A

Lab Name: STL Buffalo

Contract: _____

Lab Code: RECNY

Case No.: _____

SAS No.: _____

SDG No.: _____

Matrix (soil/water): WATERLab Sample ID: A5D40013% Solids: 0.0Date Samp/Recv: 11/22/2005 11/23/2005

Parameter Name	Units of Measure	Result	C	Q	M	Method Number	Analyzed Date
Total Recoverable Phenolics _____	MG/L	0.010	U			420.2	11/25/2005

Comments:

Wet Chemistry Analysis

152/1432

Client Sample No.

MW-6B

Lab Name: STL Buffalo

Contract: _____

Lab Code: RECONY

Case No.: _____

SAS No.: _____

SDG No.: _____

Matrix (soil/water): WATERLab Sample ID: A5D40014% Solids: 0.0Date Samp/Recv: 11/22/2005 11/23/2005

Parameter Name	Units of Measure	Result	C	Q	M	Method Number	Analyzed Date
Total Recoverable Phenolics	MG/L	0.010	U			420.2	11/25/2005

Comments:

Wet Chemistry Analysis

153/1432

Client Sample No.

Lab Name: STL Buffalo

Contract: _____

MW-8A

Lab Code: REONY

Case No.: _____

SAS No.: _____

SDG No.: _____

Matrix (soil/water): WATERLab Sample ID: A5D40009% Solids: 0.0Date Samp/Recv: 11/22/2005 11/23/2005

Parameter Name	Units of Measure	Result	C	Q	M	Method Number	Analyzed Date
Total Recoverable Phenolics _____	MG/L	0.010	U			420.2	11/25/2005

Comments:

Wet Chemistry Analysis

154/1432

Client Sample No.

MW-8B

Lab Name: STL Buffalo

Contract: _____

Lab Code: RECNY

Case No.: _____

SAS No.: _____

SDG No.: _____

Matrix (soil/water): WATERLab Sample ID: A5D40010% Solids: 0.0Date Samp/Recv: 11/22/2005 11/23/2005

Parameter Name	Units of Measure	Result	C	Q	M	Method Number	Analyzed Date
Total Recoverable Phenolics	MG/L	0.010	U			420.2	11/25/2005

Comments:

Lab Name: STL Buffalo

Contract: _____

Lab Code: RECN

Case No.: _____

SAS No.: _____

SDG No.: _____

	Client Sample ID	Lab Sample ID	BFB %REC #	DCE %REC #	TOL %REC #						TOT OUT
1	MSB19	A5B1856401	95	99	100						0
2	MSB20	A5B1863701	96	101	98						0
3	MW-11A	A5D40001	99	103	99						0
4	MW-11B	A5D40002	96	102	98						0
5	MW-11C	A5D40003	97	101	98						0
6	MW-12A	A5D40006	97	104	101						0
7	MW-12B	A5D40007	96	102	99						0
8	MW-2	A5D40008	98	102	100						0
9	MW-4A	A5D40004	96	103	98						0
10	MW-4A	A5D40004MS	99	102	101						0
11	MW-4A	A5D40004SD	97	101	99						0
12	MW-4B	A5D40005	94	104	99						0
13	MW-6A	A5D40013	97	102	99						0
14	MW-6B	A5D40014	93	102	100						0
15	MW-8A	A5D40009	93	104	99						0
16	MW-8B	A5D40010	94	103	99						0
17	MW-9A	A5D40011	93	105	100						0
18	MW-9B	A5D40012	94	101	101						0
19	MW-9B	A5D40012MS	95	100	100						0
20	MW-9B	A5D40012SD	95	102	100						0
21	TRIP BLANK	A5D40015	94	102	100						0
22	VBLK19	A5B1856402	94	100	100						0
23	VBLK20	A5B1863702	96	102	98						0
24	VHB	A5D40016	94	103	100						0

QC LIMITS

BFB = p-Bromofluorobenzene
DCE = 1,2-Dichloroethane-D4
TOL = Toluene-D8

(86-115)
(76-114)
(88-110)

Column to be used to flag recovery values
* Values outside of contract required QC limits
D Surrogates diluted out

Chain Of Custody Documentation

Chain of Custody Record

SEVERN
TRENT

STL

Severn Trent Laboratories, Inc.

STL-4124 (0901)

Client DELTA ENVIRONMENTAL		Project Manager MARK SCHUMACHER		Date 11-22-05	Chain of Custody Number 214179
Address 104 JAMESVILLE RD		Telephone Number (Area Code)/Fax Number 315-445-0224 / 315-445-0793		Lab Number	Page 1 of 3

City SYRACUSE	State NY	Zip Code 13214	Site Contact Sam	Lab Contact ANIAN FISCHER	Analysis (Attach list if more space is needed)
Project Name and Location (State) COOPER, SYRACUSE NY			Carrier/Waybill Number		Special Instructions/ Conditions of Receipt

Contract/Purchase Order/Quote No. 0310025P			Matrix				Containers & Preservatives						Special Instructions/Conditions of Receipt																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																											
Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Air	Aqueous	Sed.	Soil	Unpres.	H2SO4	HNO3	HCl	NaOH	ZnAc	NaOH	TCL 8260	TCL 8270	PHENOLS	* METALS																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							

Possible Hazard Identification	Sample Disposal	(A fee may be assessed if samples are retained longer than 1 month)
<input type="checkbox"/> Non-Hazard <input type="checkbox"/> Flammable <input type="checkbox"/> Skin Irritant <input type="checkbox"/> Poison B <input checked="" type="checkbox"/> Unknown	<input type="checkbox"/> Return To Client <input checked="" type="checkbox"/> Disposal By Lab <input type="checkbox"/> Archive For _____ Months	

Turn Around Time Required	QC Requirements (Specify)
<input type="checkbox"/> 24 Hours <input type="checkbox"/> 48 Hours <input type="checkbox"/> 7 Days <input type="checkbox"/> 14 Days <input checked="" type="checkbox"/> 21 Days <input type="checkbox"/> Other _____	ASP 2000 CAT B

1. Relinquished By [Signature]	Date 11-22-05	Time 	1. Received By [Signature]	Date 11/22/05	Time 1355
2. Relinquished By [Signature]	Date 11/22/05	Time 1800	2. Received By [Signature]	Date 11/23/05	Time 1100
3. Relinquished By	Date	Time	3. Received By	Date	Time

Comments
*** METALS (CADMIUM, CHROMIUM, LEAD, SELENIUM, ZINC)**

DISTRIBUTION: WHITE - Returned to Client with Report; CANARY - Stays with the Sample; PINK - Field Copy

217/1432

Chain of Custody Record

SEVERN
TRENT

STL

Severn Trent Laboratories, Inc.

STL-4124 (0901)

Client DELTA ENVIRONMENTAL		Project Manager MARK SCHUMACHER		Date 11-22-05	Chain of Custody Number 214180
Address 104 JAMESVILLE RD		Telephone Number (Area Code)/Fax Number 315-445-0224 / 315-445-0793		Lab Number	
City SYRACUSE	State NY	Zip Code 13214	Site Contact SAM	Lab Contact BRIAN PISCHON	Page 2 of 3

Project Name and Location (State) COPPER, SYRACUSE NY		Carrier/Waybill Number		Analysis (Attach list if more space is needed)	
-----------------------------------------------------------------	--	------------------------	--	------------------------------------------------	--

Contract/Purchase Order/Quote No. 0310025P		Matrix		Containers & Preservatives	
------------------------------------------------------	--	--------	--	----------------------------	--

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Air	Aqueous	Sed	Soil	Unpres.	H2SO4	HNO3	HCl	NaOH	ZnAc2	NaOH	TCL 8260	TCL 8270	PH/NO3S	4 METALS (G)
MW-9A	11-22-05	1125	X				X	X	X	X				X	X	X	X
88 MW-9B		1140	X				X	X	X	X				X	X	X	X
MW-9B-MS		1140	X				X	X	X	X				X	X	X	X
MW-9B-MSD		1140	X				X	X	X	X				X	X	X	X
MW-6A		1215	X				X	X	X	X				X	X	X	X
MW-6B		1300	X				X	X	X	X				X	X	X	X
TRIP BLANK			X				X	X	X	X				X	X	X	X

Possible Hazard Identification <input type="checkbox"/> Non-Hazard <input type="checkbox"/> Flammable <input type="checkbox"/> Skin Irritant <input type="checkbox"/> Poison B <input checked="" type="checkbox"/> Unknown	Sample Disposal <input type="checkbox"/> Return To Client <input checked="" type="checkbox"/> Disposal By Lab <input type="checkbox"/> Archive For _____ Months	(A fee may be assessed if samples are retained longer than 1 month)
-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------	--------------------------------------------------------------------------------------------------------------------------------------------------------------------------	---------------------------------------------------------------------

Turn Around Time Required <input type="checkbox"/> 24 Hours <input type="checkbox"/> 48 Hours <input type="checkbox"/> 7 Days <input type="checkbox"/> 14 Days <input checked="" type="checkbox"/> 21 Days <input type="checkbox"/> Other _____	QC Requirements (Specify) ASP 2000 CAT B
-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------	----------------------------------------------------

1. Relinquished By <i>[Signature]</i>	Date 11-22-05	Time	1. Received By <i>[Signature]</i>	Date 11/22/05	Time 1355
2. Relinquished By <i>[Signature]</i>	Date 11/22/05	Time 1800	2. Received By <i>[Signature]</i>	Date 11/23/05	Time 1100
3. Relinquished By	Date	Time	3. Received By	Date	Time

Comments * METALS (CHROMIUM, CADMIUM, LEAD, SILVER, ZINC)	11020
---------------------------------------------------------------------	--------------

DISTRIBUTION: WHITE - Returned to Client with Report; CANARY - Stays with the Sample; PINK - Field Copy

218/1432

Job No: A05-D400 Client: Delta Environmental Consultants, Inc. Project: NY4A9341 SDG: Case: SMO No: No. Samps: 14				Radiation Check: YES Custody Seal: YES Chain of Custody: YES Sample Tags: NO Sample Tag Numbers: NO SMO Forms: NO CLSIS: NO			Cooler Temperature: 11±2.0°C		
Sample	Receive	Client Sample ID	Lab ID	Condition	Bottles	Parameters	Lab	Pres log	
								Code	PH
11/21/2005 10:30	11/23/2005 11:00	MW-11A	A5D40001	Good	2-40mLV 2-1lGA 1-8ozGA 1-16ozP	ASPOO ASPOO TPHENOLS 5 METALS	RECNY RECNY RECNY RECNY	0103 0100 0102 0001	<2 <2 <2
11/21/2005 11:30	11/23/2005 11:00	MW-11B	A5D40002	Good	2-40mLV 2-1lGA 1-8ozGA 1-16ozP	ASPOO ASPOO TPHENOLS 5 METALS	RECNY RECNY RECNY RECNY	0103 0100 0102 0001	<2 <2 <2
11/21/2005 10:30	11/23/2005 11:00	MW-11C	A5D40003	Good	2-40mLV 2-1lGA 1-8ozGA 1-16ozP	ASPOO ASPOO TPHENOLS 5 METALS	RECNY RECNY RECNY RECNY	0103 0100 0102 0001	<2 <2 <2
11/21/2005 12:50	11/23/2005 11:00	MW-4A	A5D40004	Good	2-40mLV 2-1lGA 1-8ozGA 1-16ozP	ASPOO ASPOO TPHENOLS 5 METALS	RECNY RECNY RECNY RECNY	0103 0100 0102 0001	<2 <2 <2
11/21/2005 12:50	11/23/2005 11:00	MW-4A	A5D40004MS	Good	2-40mLV 2-1lGA 1-8ozGA 1-16ozP	ASPOO ASPOO TPHENOLS 5 METALS	RECNY RECNY RECNY RECNY	0103 0100 0102 0001	<2 <2 <2
11/21/2005 12:50	11/23/2005 11:00	MW-4A	A5D40004SD	Good	2-40mLV 2-1lGA 1-8ozGA 1-16ozP	ASPOO ASPOO TPHENOLS 5 METALS	RECNY RECNY RECNY RECNY	0103 0100 0102 0001	<2 <2 <2
11/21/2005 13:30	11/23/2005 11:00	MW-4B	A5D40005	Good	2-40mLV 2-1lGA 1-8ozGA 1-16ozP	ASPOO ASPOO TPHENOLS 5 METALS	RECNY RECNY RECNY RECNY	0103 0100 0102 0001	<2 <2 <2
11/21/2005 14:50	11/23/2005 11:00	MW-12A	A5D40006	Good	2-40mLV 2-1lGA 1-8ozGA 1-16ozP	ASPOO ASPOO TPHENOLS 5 METALS	RECNY RECNY RECNY RECNY	0103 0100 0102 0001	<2 <2 <2
11/21/2005 16:10	11/23/2005 11:00	MW-12B	A5D40007	Good	2-40mLV 2-1lGA 1-8ozGA 1-16ozP	ASPOO ASPOO TPHENOLS 5 METALS	RECNY RECNY RECNY RECNY	0103 0100 0102 0001	<2 <2 <2
11/21/2005 16:50	11/23/2005 11:00	MW-2	A5D40008	Good	2-40mLV 2-1lGA 1-8ozGA 1-16ozP	ASPOO ASPOO TPHENOLS 5 METALS	RECNY RECNY RECNY RECNY	0103 0100 0102 0001	<2 <2 <2

Preservation Code References:

First Digit: Sample Filtration; 1=Filtered, 0=Unfiltered
Second Digit: Sample Requires Cooling; (4°) 1=Cooled, 0=Not Cooled

Third, Fourth Digits - Preservation Types:
00=Nothing added, 01=HNO3, 02=H2SO4, 03=HCl, 04=Sodium Thiosulfate
05=NaOH, 06=NaOH+Zinc Acetate, 07=Sodium Thiosulfate+HCl, 08=MeOH
09=MCAA (Mono chloroacetic acid)

219/1432



1/1061
STL®

STL Buffalo
10 Hazelwood Drive, Suite 106
Amherst, NY 14228

Tel: 716 691 2600 Fax: 716 691 7991
www.stl-inc.com

ANALYTICAL REPORT

Job#: A05-D401

STL Project#: NY4A9341

Site Name: Delta Environmental Consultants, Inc.

Task: Cooper site

Mark Schumacher
Delta Environmental
104 Jamesville Rd.
Syracuse, NY 13214

STL Buffalo

Brian J. Fischer
Project Manager

12/14/2005

STL Buffalo

Current Certifications

As of 11/29/2005

STATE	Program	Cert # / Lab ID
AFCEE	AFCEE	
Arkansas	SDWA, CWA, RCRA, SOIL	03-054-D/88-0686
California	NELAP CWA, RCRA	01169CA
Connecticut	SDWA, CWA, RCRA, SOIL	PH-0568
Florida	NELAP CWA, RCRA	E87672
Georgia	SDWA	956
Illinois	NELAP SDWA, CWA, RCRA	200003
Iowa	SW/CS	374
Kansas	NELAP SDWA, CWA, RCRA	E-10187
Kentucky	SDWA	90029
Kentucky UST	UST	30
Louisiana	NELAP CWA, RCRA	2031
Maine	SDWA, CWA	NY044
Maryland	SDWA	294
Massachusetts	SDWA, CWA	M-NY044
Michigan	SDWA	9937
Minnesota	SDWA, CWA, RCRA	036-999-337
New Hampshire	NELAP SDWA, CWA	233701
New Jersey	SDWA, CWA, RCRA, CLP	NY455
New York	NELAP, AIR, SDWA, CWA, RCRA	10026
Oklahoma	CWA, RCRA	9421
Pennsylvania	Env. Lab Reg.	68-281
South Carolina	RCRA	91013
Tennessee	SDWA	02970
USACE	USACE	
USDA	FOREIGN SOIL PERMIT	S-41579
Virginia	SDWA	278
Washington	CWA, RCRA	C254
West Virginia	CWA, RCRA	252
Wisconsin	CWA	998310390

Sample Data Summary Package

SAMPLE SUMMARY

<u>LAB SAMPLE ID</u>	<u>CLIENT SAMPLE ID</u>	<u>MATRIX</u>	<u>SAMPLED</u>		<u>RECEIVED</u>	
			<u>DATE</u>	<u>TIME</u>	<u>DATE</u>	<u>TIME</u>
A5D40111	MW-1	WATER	11/22/2005	11:30	11/23/2005	11:00
A5D40109	MW-10	WATER	11/22/2005	10:00	11/23/2005	11:00
A5D40107	MW-13	WATER	11/22/2005	08:40	11/23/2005	11:00
A5D40108	MW-13C	WATER	11/22/2005	08:40	11/23/2005	11:00
A5D40106	MW-14	WATER	11/21/2005	16:15	11/23/2005	11:00
A5D40101	MW-1S	WATER	11/21/2005	11:15	11/23/2005	11:00
A5D40102	MW-2S	WATER	11/21/2005	10:50	11/23/2005	11:00
A5D40104	MW-3	WATER	11/21/2005	13:50	11/23/2005	11:00
A5D40103	MW-3S	WATER	11/21/2005	12:45	11/23/2005	11:00
A5D40110	MW-5	WATER	11/22/2005	12:30	11/23/2005	11:00
A5D40105	MW-7	WATER	11/21/2005	16:30	11/23/2005	11:00
A5D40112	TRIP BLANK	WATER	11/22/2005		11/23/2005	11:00

METHODS SUMMARY

Job#: A05-D401STL Project#: NY4A9341Site Name: Delta Environmental Consultants, Inc.

PARAMETER	ANALYTICAL METHOD
DELTA - AQ - ASP 2000/8260 - TCL VOLATILES	ASP00 8260
ASP 2000 - METHOD 8270 SEMIVOLATILES	ASP00 8270
Cadmium - Total	ASP00 6010
Chromium - Total	ASP00 6010
Lead - Total	ASP00 6010
Selenium - Total	ASP00 6010
Zinc - Total	ASP00 6010
Total Recoverable Phenolics	ASP00 420.2

ASP00 "Analytical Services Protocol", New York State Department of Conservation,
June 2000.

NON-CONFORMANCE SUMMARY

Job#: A05-D401STL Project#: NY4A9341Site Name: Delta Environmental Consultants, Inc.General Comments

The enclosed data may or may not have been reported utilizing data qualifiers (Q) as defined on the Data Comment Page.

Soil, sediment and sludge sample results are reported on "dry weight" basis unless otherwise noted in this data package.

According to 40CFR Part 136.3, pH, Chlorine Residual, Dissolved Oxygen, Sulfite, and Temperature analyses are to be performed immediately after aqueous sample collection. When these parameters are not indicated as field (e.g. pH-Field), they were not analyzed immediately, but as soon as possible after laboratory receipt.

Sample dilutions were performed as indicated on the attached Dilution Log. The rationale for dilution is specified by the 3-digit code and definition.

Sample Receipt Comments

A05-D401

Sample Cooler(s) were received at the following temperature(s); 11@2.0 °C
All samples were received in good condition.

GC/MS Volatile Data

All samples were preserved to a pH less than 2.

GC/MS Semivolatile Data

The spike recoveries for Pentachlorophenol were above the method defined quality control limits in the Matrix Spike Blank A5B1832801 and Matrix Spike MW-3. Since the results were biased high and the analytes were not detected in the samples, no corrective action was performed.

The relative percent difference between the Matrix Spike MW-3 and the Matrix Spike Duplicate MW-3 exceeded quality control criteria for Pentachlorophenol.

Metals Data

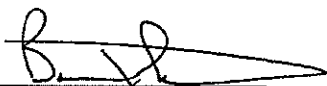
No deviations from protocol were encountered during the analytical procedures.

Wet Chemistry Data

No deviations from protocol were encountered during the analytical procedures.

The results presented in this report relate only to the analytical testing and condition of the sample at receipt. This report pertains to only those samples actually tested. All pages of this report are integral parts of the analytical data. Therefore, this report should be reproduced only in its entirety.

"I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hardcopy data package and in the computer-readable data submitted on floppy diskette has been authorized by the Laboratory Manager or his designee, as verified by the following signature."



Brian J. Fischer
Project Manager

12-14-05

Date

Date: 12/14/2005
Time: 13:53:34

Dilution Log w/Code Information
For Job A05-D401

8/1061
Page: 1
Rept: AM1266R

<u>Client Sample ID</u>	<u>Lab Sample ID</u>	<u>Parameter (Inorganic)/Method (Organic)</u>	<u>Dilution</u>	<u>Code</u>
HW-3	A5D40104	8260	4.00	003

Dilution Code Definition:

- 002 - sample matrix effects
- 003 - excessive foaming
- 004 - high levels of non-target compounds
- 005 - sample matrix resulted in method non-compliance for an Internal Standard
- 006 - sample matrix resulted in method non-compliance for Surrogate
- 007 - nature of the TCLP matrix
- 008 - high concentration of target analyte(s)
- 009 - sample turbidity
- 010 - sample color
- 011 - insufficient volume for lower dilution
- 012 - sample viscosity
- 013 - other

NEW YORK STATE
DEPARTMENT OF ENVIRONMENTAL CONSERVATION

SAMPLE IDENTIFICATION
AND
ANALYTICAL REQUEST SUMMARY

LAB NAME: SEVERN TRENT LABORATORIES, INC.

CUSTOMER SAMPLE ID	LABORATORY SAMPLE ID	ANALYTICAL REQUIREMENTS						
		VOA GC/MS	BNA GC/MS	VOA GC	PEST PCB	METALS	TCLP HERB	WATER QUALITY
MW-1	A5D40111	ASP00	ASP00	-	-	ASP00	-	ASP00
MW-10	A5D40109	ASP00	ASP00	-	-	ASP00	-	ASP00
MW-13	A5D40107	ASP00	ASP00	-	-	ASP00	-	ASP00
MW-13C	A5D40108	ASP00	ASP00	-	-	ASP00	-	ASP00
MW-14	A5D40106	ASP00	ASP00	-	-	ASP00	-	ASP00
MW-1S	A5D40101	ASP00	ASP00	-	-	ASP00	-	ASP00
MW-2S	A5D40102	ASP00	ASP00	-	-	ASP00	-	ASP00
MW-3	A5D40104	ASP00	ASP00	-	-	ASP00	-	ASP00
MW-3S	A5D40103	ASP00	ASP00	-	-	ASP00	-	ASP00
MW-5	A5D40110	ASP00	ASP00	-	-	ASP00	-	ASP00
MW-7	A5D40105	ASP00	ASP00	-	-	ASP00	-	ASP00

NYSDEC-1

NEW YORK STATE
DEPARTMENT OF ENVIRONMENTAL CONSERVATIONSAMPLE PREPARATION AND ANALYSIS SUMMARY
VOLATILE ANALYSIS

LAB NAME: SEVERN TRENT LABORATORIES, INC.

SAMPLE IDENTIFICATION	MATRIX	DATE COLLECTED	DATE RECEIVED AT LAB	DATE EXTRACTED	DATE ANALYZED
MW-1	WATER	11/22/2005	11/23/2005	-	11/28/2005
MW-10	WATER	11/22/2005	11/23/2005	-	11/28/2005
MW-13	WATER	11/22/2005	11/23/2005	-	11/28/2005
MW-13C	WATER	11/22/2005	11/23/2005	-	11/28/2005
MW-14	WATER	11/21/2005	11/23/2005	-	11/28/2005
MW-1S	WATER	11/21/2005	11/23/2005	-	11/28/2005
MW-2S	WATER	11/21/2005	11/23/2005	-	11/28/2005
MW-3	WATER	11/21/2005	11/23/2005	-	11/28/2005
MW-3S	WATER	11/21/2005	11/23/2005	-	11/28/2005
MW-5	WATER	11/22/2005	11/23/2005	-	11/28/2005
MW-7	WATER	11/21/2005	11/23/2005	-	11/28/2005

NYSDEC-2

NEW YORK STATE
DEPARTMENT OF ENVIRONMENTAL CONSERVATIONSAMPLE PREPARATION AND ANALYSIS SUMMARY
B/N-A ANALYSIS

LAB NAME: SEVERN TRENT LABORATORIES, INC.

SAMPLE IDENTIFICATION	MATRIX	DATE COLLECTED	DATE RECEIVED AT LAB	DATE EXTRACTED	DATE ANALYZED
MW-1	WATER	11/22/2005	11/23/2005	11/28/2005	12/06/2005
MW-10	WATER	11/22/2005	11/23/2005	11/28/2005	12/06/2005
MW-13	WATER	11/22/2005	11/23/2005	11/28/2005	12/06/2005
MW-13C	WATER	11/22/2005	11/23/2005	11/28/2005	12/06/2005
MW-14	WATER	11/21/2005	11/23/2005	11/28/2005	12/06/2005
MW-1S	WATER	11/21/2005	11/23/2005	11/28/2005	12/06/2005
MW-2S	WATER	11/21/2005	11/23/2005	11/28/2005	12/06/2005
MW-3	WATER	11/21/2005	11/23/2005	11/28/2005	12/06/2005
MW-3S	WATER	11/21/2005	11/23/2005	11/28/2005	12/06/2005
MW-5	WATER	11/22/2005	11/23/2005	11/28/2005	12/06/2005
MW-7	WATER	11/21/2005	11/23/2005	11/28/2005	12/06/2005

NYSDEC-3

NEW YORK STATE
DEPARTMENT OF ENVIRONMENTAL CONSERVATIONSAMPLE PREPARATION AND ANALYTICAL SUMMARY
INORGANIC ANALYSIS

LAB NAME: SEVERN TRENT LABORATORIES, INC.

SAMPLE IDENTIFICATION	MATRIX	METALS REQUESTED	DATE RECEIVED AT LAB	DATE DIGESTED	DATE ANALYZED
MW-1	WATER	5 metals	11/23/2005	11/28/2005	11/29/2005
MW-10	WATER	5 metals	11/23/2005	11/28/2005	11/29/2005
MW-13	WATER	5 metals	11/23/2005	11/28/2005	11/29/2005
MW-13C	WATER	5 metals	11/23/2005	11/28/2005	11/29/2005
MW-14	WATER	5 metals	11/23/2005	11/28/2005	11/29/2005
MW-1S	WATER	5 metals	11/23/2005	11/28/2005	11/29/2005
MW-2S	WATER	5 metals	11/23/2005	11/28/2005	11/29/2005
MW-3	WATER	5 metals	11/23/2005	11/28/2005	11/29/2005
MW-3S	WATER	5 metals	11/23/2005	11/28/2005	11/29/2005
MW-5	WATER	5 metals	11/23/2005	11/28/2005	11/29/2005
MW-7	WATER	5 metals	11/23/2005	11/28/2005	11/29/2005

NYSDEC-5

NEW YORK STATE
DEPARTMENT OF ENVIRONMENTAL CONSERVATIONSAMPLE PREPARATION AND ANALYSIS SUMMARY
ORGANIC ANALYSIS

LAB NAME: SEVERN TRENT LABORATORIES, INC.

SAMPLE IDENTIFICATION	MATRIX	ANALYTICAL PROTOCOL	EXTRACTION METHOD	AUXILIARY CLEAN UP	DIL/CONC FACTOR
MW-1	WATER	ASP00	SEPF	AS REQUIRED	AS REQUIRED
MW-10	WATER	ASP00	SEPF	AS REQUIRED	AS REQUIRED
MW-13	WATER	ASP00	SEPF	AS REQUIRED	AS REQUIRED
MW-13C	WATER	ASP00	SEPF	AS REQUIRED	AS REQUIRED
MW-14	WATER	ASP00	SEPF	AS REQUIRED	AS REQUIRED
MW-1S	WATER	ASP00	SEPF	AS REQUIRED	AS REQUIRED
MW-2S	WATER	ASP00	SEPF	AS REQUIRED	AS REQUIRED
MW-3	WATER	ASP00	SEPF	AS REQUIRED	AS REQUIRED
MW-3S	WATER	ASP00	SEPF	AS REQUIRED	AS REQUIRED
MW-5	WATER	ASP00	SEPF	AS REQUIRED	AS REQUIRED
MW-7	WATER	ASP00	SEPF	AS REQUIRED	AS REQUIRED

NYSDEC-6

NEW YORK STATE
DEPARTMENT OF ENVIRONMENTAL CONSERVATIONSAMPLE PREPARATION AND ANALYSIS SUMMARY
INORGANIC ANALYSIS

LAB NAME: SEVERN TRENT LABORATORIES, INC.

LABORATORY SAMPLE CODE	MATRIX	ANALYTICAL PROTOCOL	DIGESTION PROCEDURE	MATRIX MODIFIER	DIL/CONC FACTOR
MW-1	WATER	ASP00	ASP00	AS REQUIRED	AS REQUIRED
MW-10	WATER	ASP00	ASP00	AS REQUIRED	AS REQUIRED
MW-13	WATER	ASP00	ASP00	AS REQUIRED	AS REQUIRED
MW-13C	WATER	ASP00	ASP00	AS REQUIRED	AS REQUIRED
MW-14	WATER	ASP00	ASP00	AS REQUIRED	AS REQUIRED
MW-1S	WATER	ASP00	ASP00	AS REQUIRED	AS REQUIRED
MW-2S	WATER	ASP00	ASP00	AS REQUIRED	AS REQUIRED
MW-3	WATER	ASP00	ASP00	AS REQUIRED	AS REQUIRED
MW-3S	WATER	ASP00	ASP00	AS REQUIRED	AS REQUIRED
MW-5	WATER	ASP00	ASP00	AS REQUIRED	AS REQUIRED
MW-7	WATER	ASP00	ASP00	AS REQUIRED	AS REQUIRED

NYSDEC-7



DATA QUALIFIER PAGE

These definitions are provided in the event the data in this report requires the use of one or more of the qualifiers. Not all qualifiers defined below are necessarily used in the accompanying data package.

ORGANIC DATA QUALIFIERS

ND or U Indicates compound was analyzed for, but not detected.

- J Indicates an estimated value. This flag is used either when estimating a concentration for tentatively identified compounds where a 1:1 response is assumed, or when the data indicates the presence of a compound that meets the identification criteria but the result is less than the sample quantitation limit but greater than zero.
- C This flag applies to pesticide results where the identification has been confirmed by GC/MS.
- B This flag is used when the analyte is found in the associated blank, as well as in the sample.
- E This flag identifies compounds whose concentrations exceed the calibration range of the instrument for that specific analysis.
- D This flag identifies all compounds identified in an analysis at the secondary dilution factor.
- N Indicates presumptive evidence of a compound. This flag is used only for tentatively identified compounds, where the identification is based on the Mass Spectral library search. It is applied to all TIC results.
- P This flag is used for CLP methodology only. For Pesticide/Aroclor target analytes, when a difference for detected concentrations between the two GC columns is greater than 25%, the lower of the two values is reported on the data page and flagged with a "P".
- A This flag indicates that a TIC is a suspected aldol-condensation product.
- ! Indicates coelution.
- * Indicates analysis is not within the quality control limits.

INORGANIC DATA QUALIFIERS

- ND or U Indicates element was analyzed for, but not detected. Report with the detection limit value.
- J or B Indicates a value greater than or equal to the instrument detection limit, but less than the quantitation limit.
- N Indicates spike sample recovery is not within the quality control limits.
- S Indicates value determined by the Method of Standard Addition.
- E Indicates a value estimated or not reported due to the presence of interferences.
- H Indicates analytical holding time exceedance. The value obtained should be considered an estimate.
- * Indicates the spike or duplicate analysis is not within the quality control limits.
- + Indicates the correlation coefficient for the Method of Standard Addition is less than 0.995.

DELTA - AQ - ASP 2000/8260 - TCL VOLATILES
ANALYSIS DATA SHEET

16/1061

Client No.

MW-1

Lab Name: STL Buffalo

Contract: _____

Lab Code: RECNV Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) WATER

Lab Sample ID: A5D40111

Sample wt/vol: 5.00 (g/mL) ML

Lab File ID: Q9041.RR

Level: (low/med) LOW

Date Samp/Recv: 11/22/2005 11/23/2005

% Moisture: not dec. _____ Heated Purge: N

Date Analyzed: 11/28/2005

GC Column: DB-624 ID: 0.25 (mm)

Dilution Factor: 1.00

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/L	Q
74-87-3	Chloromethane		10	U
74-83-9	Bromomethane		10	U
75-01-4	Vinyl chloride		10	U
75-00-3	Chloroethane		180	
75-09-2	Methylene chloride		10	U
67-64-1	Acetone		10	U
75-15-0	Carbon Disulfide		10	U
75-35-4	1,1-Dichloroethene		10	U
75-34-3	1,1-Dichloroethane		10	U
67-66-3	Chloroform		10	U
107-06-2	1,2-Dichloroethane		10	U
78-93-3	2-Butanone		10	U
71-55-6	1,1,1-Trichloroethane		10	U
56-23-5	Carbon Tetrachloride		10	U
75-27-4	Bromodichloromethane		10	U
78-87-5	1,2-Dichloropropane		10	U
10061-01-5	cis-1,3-Dichloropropene		10	U
79-01-6	Trichloroethene		10	U
124-48-1	Dibromochloromethane		10	U
79-00-5	1,1,2-Trichloroethane		10	U
71-43-2	Benzene		4	J
10061-02-6	trans-1,3-Dichloropropene		10	U
75-25-2	Bromoform		10	U
108-10-1	4-Methyl-2-pentanone		10	U
591-78-6	2-Hexanone		10	U
127-18-4	Tetrachloroethene		10	U
108-88-3	Toluene		10	U
79-34-5	1,1,2,2-Tetrachloroethane		10	U
108-90-7	Chlorobenzene		27	
100-41-4	Ethylbenzene		10	U
100-42-5	Styrene		10	U
1330-20-7	Total Xylenes		10	U
75-71-8	Dichlorodifluoromethane		10	U
75-69-4	Trichlorofluoromethane		10	U

MW-1

Lab Name: STL Buffalo Contract: _____

Lab Code: RECN Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) WATER Lab Sample ID: A5D40111

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: Q9041.RR

Level: (low/med) LOW Date Samp/Recv: 11/22/2005 11/23/2005

% Moisture: not dec. _____ Heated Purge: N Date Analyzed: 11/28/2005

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CAS NO. COMPOUND CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L Q

76-13-1-----	1,1,2-Trichloro-1,2,2-trifluoroethane	10	U
156-60-5-----	trans-1,2-Dichloroethene	10	U
1634-04-4-----	Methyl-t-Butyl Ether (MTBE)	10	U
156-59-2-----	cis-1,2-Dichloroethene	10	U
110-82-7-----	Cyclohexane	2	J
108-87-2-----	Methylcyclohexane	10	U
106-93-4-----	1,2-Dibromoethane	10	U
98-82-8-----	Isopropylbenzene	3	J
541-73-1-----	1,3-Dichlorobenzene	10	U
106-46-7-----	1,4-Dichlorobenzene	4	J
95-50-1-----	1,2-Dichlorobenzene	2	J
96-12-8-----	1,2-Dibromo-3-chloropropane	10	U
120-82-1-----	1,2,4-Trichlorobenzene	10	U
79-20-9-----	Methyl acetate	10	U

DELTA - AQ - ASP 2000/8260 - TCL VOLATILES
TENTATIVELY IDENTIFIED COMPOUNDS

18/1061

Client No.

Lab Name: STL Buffalo

Contract: _____

MW-1

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) WATER

Lab Sample ID: A5D40111

Sample wt/vol: 5.00 (g/mL) ML

Lab File ID: Q9041.RR

Level: (low/med) LOW

Date Samp/Recv: 11/22/2005 11/23/2005

% Moisture: not dec. _____

Date Analyzed: 11/28/2005

GC Column: DB-624 ID: 0.25 (mm)

Dilution Factor: 1.00

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

Number TICs found: 3

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

CAS NO.	Compound Name	RT	Est. Conc.	Q
1. 420-56-4	FLUOROTRIMETHYL SILANE	2.07	6	JN
2.	UNKNOWN ALCOHOL	3.70	22	J
3.	UNKNOWN	12.42	8	J

Lab Name: STL Buffalo

Contract: _____

MW-10

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) WATER

Lab Sample ID: A5D40109

Sample wt/vol: 5.00 (g/mL) ML

Lab File ID: Q9039.RR

Level: (low/med) LOW

Date Samp/Recv: 11/22/2005 11/23/2005

% Moisture: not dec. _____ Heated Purge: N

Date Analyzed: 11/28/2005

GC Column: DB-624 ID: 0.25 (mm)

Dilution Factor: 1.00

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS:		Q
		(ug/L or ug/Kg)	UG/L	
74-87-3	Chloromethane	10	U	
74-83-9	Bromomethane	10	U	
75-01-4	Vinyl chloride	10	U	
75-00-3	Chloroethane	10	U	
75-09-2	Methylene chloride	10	U	
67-64-1	Acetone	10	U	
75-15-0	Carbon Disulfide	10	U	
75-35-4	1,1-Dichloroethene	10	U	
75-34-3	1,1-Dichloroethane	10	U	
67-66-3	Chloroform	10	U	
107-06-2	1,2-Dichloroethane	10	U	
78-93-3	2-Butanone	10	U	
71-55-6	1,1,1-Trichloroethane	10	U	
56-23-5	Carbon Tetrachloride	10	U	
75-27-4	Bromodichloromethane	10	U	
78-87-5	1,2-Dichloropropane	10	U	
10061-01-5	cis-1,3-Dichloropropene	10	U	
79-01-6	Trichloroethene	10	U	
124-48-1	Dibromochloromethane	10	U	
79-00-5	1,1,2-Trichloroethane	10	U	
71-43-2	Benzene	10	U	
10061-02-6	trans-1,3-Dichloropropene	10	U	
75-25-2	Bromoform	10	U	
108-10-1	4-Methyl-2-pentanone	10	U	
591-78-6	2-Hexanone	10	U	
127-18-4	Tetrachloroethene	10	U	
108-88-3	Toluene	10	U	
79-34-5	1,1,2,2-Tetrachloroethane	10	U	
108-90-7	Chlorobenzene	10	U	
100-41-4	Ethylbenzene	10	U	
100-42-5	Styrene	10	U	
1330-20-7	Total Xylenes	10	U	
75-71-8	Dichlorodifluoromethane	10	U	
75-69-4	Trichlorofluoromethane	10	U	

DELTA - AQ - ASP 2000/8260 - TCL VOLATILES
ANALYSIS DATA SHEET

20/1061

Client No.

MW-10

Lab Name: STL Buffalo Contract: _____

Lab Code: RECONY Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) WATER Lab Sample ID: A5D40109

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: Q9039.RR

Level: (low/med) LOW Date Samp/Recv: 11/22/2005 11/23/2005

% Moisture: not dec: _____ Heated Purge: N Date Analyzed: 11/28/2005

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

(ug/L or ug/Kg) UG/L Q

CAS NO.	COMPOUND	CONCENTRATION UNITS:	
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	10	U
156-60-5	trans-1,2-Dichloroethene	10	U
1634-04-4	Methyl-t-Butyl Ether (MTBE)	10	U
156-59-2	cis-1,2-Dichloroethene	10	U
110-82-7	Cyclohexane	10	U
108-87-2	Methylcyclohexane	10	U
106-93-4	1,2-Dibromoethane	10	U
98-82-8	Isopropylbenzene	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
95-50-1	1,2-Dichlorobenzene	10	U
96-12-8	1,2-Dibromo-3-chloropropane	10	U
120-82-1	1,2,4-Trichlorobenzene	10	U
79-20-9	Methyl acetate	10	U

MW-10

Lab Name: STL Buffalo Contract: _____

Lab Code: RECN Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) WATER Lab Sample ID: A5D40109

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: Q9039.RR

Level: (low/med) LOW Date Samp/Recv: 11/22/2005 11/23/2005

% Moisture: not dec. _____ Date Analyzed: 11/28/2005

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

Number TICs found: 1

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

CAS NO.	Compound Name	RT	Est. Conc.	Q
1.	UNKNOWN ALCOHOL	3.70	8	J

DELTA - AQ - ASP 2000/8260 - TCL VOLATILES
ANALYSIS DATA SHEET

22/1061

Client No.

MW-13

Lab Name: STL Buffalo

Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) WATER

Lab Sample ID: A5D40107

Sample wt/vol: 5.00 (g/mL) ML

Lab File ID: Q9037.RR

Level: (low/med) LOW

Date Samp/Recv: 11/22/2005 11/23/2005

% Moisture: not dec. _____ Heated Purge: N

Date Analyzed: 11/28/2005

GC Column: DB-624 ID: 0.25 (mm)

Dilution Factor: 1.00

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/L Q

74-87-3	Chloromethane	10	U
74-83-9	Bromomethane	10	U
75-01-4	Vinyl chloride	10	U
75-00-3	Chloroethane	10	U
75-09-2	Methylene chloride	10	U
67-64-1	Acetone	10	U
75-15-0	Carbon Disulfide	10	U
75-35-4	1,1-Dichloroethene	10	U
75-34-3	1,1-Dichloroethane	10	U
67-66-3	Chloroform	10	U
107-06-2	1,2-Dichloroethane	10	U
78-93-3	2-Butanone	10	U
71-55-6	1,1,1-Trichloroethane	10	U
56-23-5	Carbon Tetrachloride	10	U
75-27-4	Bromodichloromethane	10	U
78-87-5	1,2-Dichloropropane	10	U
10061-01-5	cis-1,3-Dichloropropene	10	U
79-01-6	Trichloroethene	10	U
124-48-1	Dibromochloromethane	10	U
79-00-5	1,1,2-Trichloroethane	10	U
71-43-2	Benzene	2	J
10061-02-6	trans-1,3-Dichloropropene	10	U
75-25-2	Bromoform	10	U
108-10-1	4-Methyl-2-pentanone	10	U
591-78-6	2-Hexanone	10	U
127-18-4	Tetrachloroethene	10	U
108-88-3	Toluene	10	U
79-34-5	1,1,2,2-Tetrachloroethane	10	U
108-90-7	Chlorobenzene	10	U
100-41-4	Ethylbenzene	10	U
100-42-5	Styrene	10	U
1330-20-7	Total Xylenes	10	U
75-71-8	Dichlorodifluoromethane	10	U
75-69-4	Trichlorofluoromethane	10	U

DELTA - AQ - ASP 2000/8260 - TCL VOLATILES
ANALYSIS DATA SHEET

23/1061

Client No.

MW-13

Lab Name: STL Buffalo

Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) WATER

Lab Sample ID: A5D40107

Sample wt/vol: 5.00 (g/mL) ML

Lab File ID: Q9037.RR

Level: (low/med) LOW

Date Samp/Recv: 11/22/2005 11/23/2005

% Moisture: not dec. _____ Heated Purge: N

Date Analyzed: 11/28/2005

GC Column: DB-624 ID: 0.25 (mm)

Dilution Factor: 1.00

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS:	
		(ug/L or ug/Kg)	UG/L
76-13-1-----	1,1,2-Trichloro-1,2,2-trifluoroethane	10	U
156-60-5-----	trans-1,2-Dichloroethene	10	U
1634-04-4-----	Methyl-t-Butyl Ether (MTBE)	10	U
156-59-2-----	cis-1,2-Dichloroethene	10	U
110-82-7-----	Cyclohexane	10	U
108-87-2-----	Methylcyclohexane	10	U
106-93-4-----	1,2-Dibromoethane	10	U
98-82-8-----	Isopropylbenzene	10	U
541-73-1-----	1,3-Dichlorobenzene	10	U
106-46-7-----	1,4-Dichlorobenzene	10	U
95-50-1-----	1,2-Dichlorobenzene	10	U
96-12-8-----	1,2-Dibromo-3-chloropropane	10	U
120-82-1-----	1,2,4-Trichlorobenzene	10	U
79-20-9-----	Methyl acetate	10	U

DELTA - AQ - ASP 2000/8260 - TCL VOLATILES
TENTATIVELY IDENTIFIED COMPOUNDS

24/1061

Client No.

MW-13

Lab Name: STL Buffalo

Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) WATER

Lab Sample ID: A5D40107

Sample wt/vol: 5.00 (g/mL) ML

Lab File ID: Q9037.RR

Level: (low/med) LOW

Date Samp/Recv: 11/22/2005 11/23/2005

% Moisture: not dec. _____

Date Analyzed: 11/28/2005

GC Column: DB-624 ID: 0.25 (mm)

Dilution Factor: 1.00

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

Number TICs found: 1

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

CAS NO.	Compound Name	RT	Est. Conc.	Q
1.	UNSATURATED HYDROCARBON	1.86	6	J

MW-13C

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) WATER Lab Sample ID: A5D40108

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: Q9038.RR

Level: (low/med) LOW Date Samp/Recv: 11/22/2005 11/23/2005

% Moisture: not dec. _____ Heated Purge: N Date Analyzed: 11/28/2005

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L Q

CAS NO.	COMPOUND	UG/L	Q
74-87-3	-----Chloromethane	10	U
74-83-9	-----Bromomethane	10	U
75-01-4	-----Vinyl chloride	10	U
75-00-3	-----Chloroethane	10	U
75-09-2	-----Methylene chloride	10	U
67-64-1	-----Acetone	10	U
75-15-0	-----Carbon Disulfide	10	U
75-35-4	-----1,1-Dichloroethene	10	U
75-34-3	-----1,1-Dichloroethane	10	U
67-66-3	-----Chloroform	10	U
107-06-2	-----1,2-Dichloroethane	10	U
78-93-3	-----2-Butanone	10	U
71-55-6	-----1,1,1-Trichloroethane	10	U
56-23-5	-----Carbon Tetrachloride	10	U
75-27-4	-----Bromodichloromethane	10	U
78-87-5	-----1,2-Dichloropropane	10	U
10061-01-5	-----cis-1,3-Dichloropropene	10	U
79-01-6	-----Trichloroethene	10	U
124-48-1	-----Dibromochloromethane	10	U
79-00-5	-----1,1,2-Trichloroethane	10	U
71-43-2	-----Benzene	2	J
10061-02-6	-----trans-1,3-Dichloropropene	10	U
75-25-2	-----Bromoform	10	U
108-10-1	-----4-Methyl-2-pentanone	10	U
591-78-6	-----2-Hexanone	10	U
127-18-4	-----Tetrachloroethene	10	U
108-88-3	-----Toluene	10	U
79-34-5	-----1,1,2,2-Tetrachloroethane	10	U
108-90-7	-----Chlorobenzene	10	U
100-41-4	-----Ethylbenzene	10	U
100-42-5	-----Styrene	10	U
1330-20-7	-----Total Xylenes	10	U
75-71-8	-----Dichlorodifluoromethane	10	U
75-69-4	-----Trichlorofluoromethane	10	U

DELTA - AQ - ASP 2000/8260 - TCL VOLATILES
ANALYSIS DATA SHEET

26/1061

Client No.

MW-13C

Lab Name: STL Buffalo

Contract: _____

Lab Code: RECNY

Case No.: _____

SAS No.: _____

SDG No.: _____

Matrix: (soil/water) WATER

Lab Sample ID: A5D40108

Sample wt/vol: 5.00 (g/mL) ML

Lab File ID: Q9038.RR

Level: (low/med) LOW

Date Samp/Recv: 11/22/2005 11/23/2005

% Moisture: not dec. _____ Heated Purge: N

Date Analyzed: 11/28/2005

GC Column: DB-624 ID: 0.25 (mm)

Dilution Factor: 1.00

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/L Q

76-13-1-----	1,1,2-Trichloro-1,2,2-trifluoroethane	10	U
156-60-5-----	trans-1,2-Dichloroethene	10	U
1634-04-4-----	Methyl-t-Butyl Ether (MTBE)	10	U
156-59-2-----	cis-1,2-Dichloroethene	10	U
110-82-7-----	Cyclohexane	10	U
108-87-2-----	Methylcyclohexane	10	U
106-93-4-----	1,2-Dibromoethane	10	U
98-82-8-----	Isopropylbenzene	10	U
541-73-1-----	1,3-Dichlorobenzene	10	U
106-46-7-----	1,4-Dichlorobenzene	10	U
95-50-1-----	1,2-Dichlorobenzene	10	U
96-12-8-----	1,2-Dibromo-3-chloropropane	10	U
120-82-1-----	1,2,4-Trichlorobenzene	10	U
79-20-9-----	Methyl acetate	10	U

DELTA - AQ - ASP 2000/8260 - TCL VOLATILES
TENTATIVELY IDENTIFIED COMPOUNDS

27/1061

Client No.

MW-13C

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) WATER

Lab Sample ID: A5D40108

Sample wt/vol: 5.00 (g/mL) ML

Lab File ID: Q9038.RR

Level: (low/med) LOW

Date Samp/Recv: 11/22/2005 11/23/2005

% Moisture: not dec. _____

Date Analyzed: 11/28/2005

GC Column: DB-624 ID: 0.25 (mm)

Dilution Factor: 1.00

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

Number TICs found: 1

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

CAS NO.	Compound Name	RT	Est. Conc.	Q
1.	UNSATURATED HYDROCARBON	1.86	6	J

DELTA - AQ - ASP 2000/8260 - TCL VOLATILES
ANALYSIS DATA SHEET

28/1061

Client No.

MW-14

Lab Name: STL Buffalo

Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) WATER

Lab Sample ID: A5D40106

Sample wt/vol: 5.00 (g/mL) ML

Lab File ID: Q9036.RR

Level: (low/med) LOW

Date Samp/Recv: 11/21/2005 11/23/2005

% Moisture: not dec. _____ Heated Purge: N

Date Analyzed: 11/28/2005

GC Column: DB-624 ID: 0.25 (mm)

Dilution Factor: 1.00

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/L Q

74-87-3-----	Chloromethane	10	U
74-83-9-----	Bromomethane	10	U
75-01-4-----	Vinyl chloride	10	U
75-00-3-----	Chloroethane	10	U
75-09-2-----	Methylene chloride	10	U
67-64-1-----	Acetone	10	U
75-15-0-----	Carbon Disulfide	10	U
75-35-4-----	1,1-Dichloroethene	10	U
75-34-3-----	1,1-Dichloroethane	10	U
67-66-3-----	Chloroform	10	U
107-06-2-----	1,2-Dichloroethane	10	U
78-93-3-----	2-Butanone	10	U
71-55-6-----	1,1,1-Trichloroethane	10	U
56-23-5-----	Carbon Tetrachloride	10	U
75-27-4-----	Bromodichloromethane	10	U
78-87-5-----	1,2-Dichloropropane	10	U
10061-01-5----	cis-1,3-Dichloropropene	10	U
79-01-6-----	Trichloroethene	10	U
124-48-1-----	Dibromochloromethane	10	U
79-00-5-----	1,1,2-Trichloroethane	10	U
71-43-2-----	Benzene	10	U
10061-02-6----	trans-1,3-Dichloropropene	10	U
75-25-2-----	Bromoform	10	U
108-10-1-----	4-Methyl-2-pentanone	10	U
591-78-6-----	2-Hexanone	10	U
127-18-4-----	Tetrachloroethene	10	U
108-88-3-----	Toluene	10	U
79-34-5-----	1,1,2,2-Tetrachloroethane	10	U
108-90-7-----	Chlorobenzene	10	U
100-41-4-----	Ethylbenzene	10	U
100-42-5-----	Styrene	10	U
1330-20-7----	Total Xylenes	10	U
75-71-8-----	Dichlorodifluoromethane	10	U
75-69-4-----	Trichlorofluoromethane	10	U

DELTA - AQ - ASP 2000/8260 - TCL VOLATILES
ANALYSIS DATA SHEET

29/1061

Client No.

MW-14

Lab Name: STL Buffalo

Contract: _____

Lab Code: RECONY Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) WATER

Lab Sample ID: A5D40106

Sample wt/vol: 5.00 (g/mL) ML

Lab File ID: Q9036.RR

Level: (low/med) LOW

Date Samp/Recv: 11/21/2005 11/23/2005

% Moisture: not dec. _____ Heated Purge: N

Date Analyzed: 11/28/2005

GC Column: DB-624 ID: 0.25 (mm)

Dilution Factor: 1.00

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/L Q

76-13-1-----	1,1,2-Trichloro-1,2,2-trifluoroethane	10	U
156-60-5-----	trans-1,2-Dichloroethene	10	U
1634-04-4-----	Methyl-t-Butyl Ether (MTBE)	10	U
156-59-2-----	cis-1,2-Dichloroethene	10	U
110-82-7-----	Cyclohexane	10	U
108-87-2-----	Methylcyclohexane	10	U
106-93-4-----	1,2-Dibromoethane	10	U
98-82-8-----	Isopropylbenzene	10	U
541-73-1-----	1,3-Dichlorobenzene	10	U
106-46-7-----	1,4-Dichlorobenzene	10	U
95-50-1-----	1,2-Dichlorobenzene	10	U
96-12-8-----	1,2-Dibromo-3-chloropropane	10	U
120-82-1-----	1,2,4-Trichlorobenzene	10	U
79-20-9-----	Methyl acetate	10	U

DELTA - AQ - ASP 2000/8260 - TCL VOLATILES
TENTATIVELY IDENTIFIED COMPOUNDS

30/1061

Client No.

MW-14

Lab Name: STL Buffalo

Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) WATER

Lab Sample ID: A5D40106

Sample wt/vol: 5.00 (g/mL) ML

Lab File ID: Q9036.RR

Level: (low/med) LOW

Date Samp/Recv: 11/21/2005 11/23/2005

% Moisture: not dec. _____

Date Analyzed: 11/28/2005

GC Column: DB-624 ID: 0.25 (mm)

Dilution Factor: 1.00

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

Number TICs found: 1

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

CAS NO.	Compound Name	RT	Est. Conc.	Q
1.	UNKNOWN	1.55	8	J

MW-1S

Lab Name: STL Buffalo

Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) WATER

Lab Sample ID: A5D40101

Sample wt/vol: 5.00 (g/mL) ML

Lab File ID: Q9031.RR

Level: (low/med) LOW

Date Samp/Recv: 11/21/2005 11/23/2005

% Moisture: not dec. _____ Heated Purge: N

Date Analyzed: 11/28/2005

GC Column: DB-624 ID: 0.25 (mm)

Dilution Factor: 1.00

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L Q

CAS NO.	COMPOUND	UG/L	Q
74-87-3	-----Chloromethane	10	U
74-83-9	-----Bromomethane	10	U
75-01-4	-----Vinyl chloride	10	U
75-00-3	-----Chloroethane	10	U
75-09-2	-----Methylene chloride	10	U
67-64-1	-----Acetone	10	U
75-15-0	-----Carbon Disulfide	10	U
75-35-4	-----1,1-Dichloroethene	10	U
75-34-3	-----1,1-Dichloroethane	10	U
67-66-3	-----Chloroform	10	U
107-06-2	-----1,2-Dichloroethane	10	U
78-93-3	-----2-Butanone	10	U
71-55-6	-----1,1,1-Trichloroethane	10	U
56-23-5	-----Carbon Tetrachloride	10	U
75-27-4	-----Bromodichloromethane	10	U
78-87-5	-----1,2-Dichloropropane	10	U
10061-01-5	-----cis-1,3-Dichloropropene	10	U
79-01-6	-----Trichloroethene	10	U
124-48-1	-----Dibromochloromethane	10	U
79-00-5	-----1,1,2-Trichloroethane	10	U
71-43-2	-----Benzene	10	U
10061-02-6	-----trans-1,3-Dichloropropene	10	U
75-25-2	-----Bromofom	10	U
108-10-1	-----4-Methyl-2-pentanone	10	U
591-78-6	-----2-Hexanone	10	U
127-18-4	-----Tetrachloroethene	10	U
108-88-3	-----Toluene	10	U
79-34-5	-----1,1,2,2-Tetrachloroethane	10	U
108-90-7	-----Chlorobenzene	10	U
100-41-4	-----Ethylbenzene	10	U
100-42-5	-----Styrene	10	U
1330-20-7	-----Total Xylenes	10	U
75-71-8	-----Dichlorodifluoromethane	10	U
75-69-4	-----Trichlorofluoromethane	10	U

MW-1S

Lab Name: STL Buffalo

Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) WATER

Lab Sample ID: A5D40101

Sample wt/vol: 5.00 (g/mL) ML

Lab File ID: Q9031.RR

Level: (low/med) LOW

Date Samp/Recv: 11/21/2005 11/23/2005

% Moisture: not dec. _____ Heated Purge: N

Date Analyzed: 11/28/2005

GC Column: DB-624 ID: 0.25 (mm)

Dilution Factor: 1.00

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS:	
		(ug/L or ug/Kg)	UG/L Q
76-13-1-----	1,1,2-Trichloro-1,2,2-trifluoroethane	10	U
156-60-5-----	trans-1,2-Dichloroethene	10	U
1634-04-4-----	Methyl-t-Butyl Ether (MTBE)	10	U
156-59-2-----	cis-1,2-Dichloroethene	10	U
110-82-7-----	Cyclohexane	10	U
108-87-2-----	Methylcyclohexane	10	U
106-93-4-----	1,2-Dibromoethane	10	U
98-82-8-----	Isopropylbenzene	10	U
541-73-1-----	1,3-Dichlorobenzene	10	U
106-46-7-----	1,4-Dichlorobenzene	10	U
95-50-1-----	1,2-Dichlorobenzene	10	U
96-12-8-----	1,2-Dibromo-3-chloropropane	10	U
120-82-1-----	1,2,4-Trichlorobenzene	10	U
79-20-9-----	Methyl acetate	10	U

MW-1S

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) WATER Lab Sample ID: A5D40101

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: Q9031.RR

Level: (low/med) LOW Date Samp/Recv: 11/21/2005 11/23/2005

% Moisture: not dec. _____ Date Analyzed: 11/28/2005

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

Number TICs found: 0 CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

CAS NO.	Compound Name	RT	Est. Conc.	Q

DELTA - AQ - ASP 2000/8260 - TCL VOLATILES
ANALYSIS DATA SHEET

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Client No.

MW-2S

Lab Name: STL Buffalo

Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) WATER

Lab Sample ID: A5D40102

Sample wt/vol: 5.00 (g/mL) ML

Lab File ID: Q9032.RR

Level: (low/med) LOW

Date Samp/Recv: 11/21/2005 11/23/2005

% Moisture: not dec. _____ Heated Purge: N

Date Analyzed: 11/28/2005

GC Column: DB-624 ID: 0.25 (mm)

Dilution Factor: 1.00

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/L Q

74-87-3-----	Chloromethane	10	U
74-83-9-----	Bromomethane	10	U
75-01-4-----	Vinyl chloride	10	U
75-00-3-----	Chloroethane	10	U
75-09-2-----	Methylene chloride	10	U
67-64-1-----	Acetone	10	U
75-15-0-----	Carbon Disulfide	10	U
75-35-4-----	1,1-Dichloroethene	10	U
75-34-3-----	1,1-Dichloroethane	10	U
67-66-3-----	Chloroform	10	U
107-06-2-----	1,2-Dichloroethane	10	U
78-93-3-----	2-Butanone	10	U
71-55-6-----	1,1,1-Trichloroethane	10	U
56-23-5-----	Carbon Tetrachloride	10	U
75-27-4-----	Bromodichloromethane	10	U
78-87-5-----	1,2-Dichloropropane	10	U
10061-01-5----	cis-1,3-Dichloropropene	10	U
79-01-6-----	Trichloroethene	10	U
124-48-1-----	Dibromochloromethane	10	U
79-00-5-----	1,1,2-Trichloroethane	10	U
71-43-2-----	Benzene	10	U
10061-02-6----	trans-1,3-Dichloropropene	10	U
75-25-2-----	Bromoform	10	U
108-10-1-----	4-Methyl-2-pentanone	10	U
591-78-6-----	2-Hexanone	10	U
127-18-4-----	Tetrachloroethene	10	U
108-88-3-----	Toluene	10	U
79-34-5-----	1,1,2,2-Tetrachloroethane	10	U
108-90-7-----	Chlorobenzene	10	U
100-41-4-----	Ethylbenzene	10	U
100-42-5-----	Styrene	10	U
1330-20-7-----	Total Xylenes	10	U
75-71-8-----	Dichlorodifluoromethane	10	U
75-69-4-----	Trichlorofluoromethane	10	U

MW-2S

Lab Name: STL Buffalo

Contract: _____

Lab Code: RECNY

Case No.: _____

SAS No.: _____

SDG No.: _____

Matrix: (soil/water) WATER

Lab Sample ID: A5D40102

Sample wt/vol: 5.00 (g/mL) ML

Lab File ID: Q9032.RR

Level: (low/med) LOW

Date Samp/Recv: 11/21/2005 11/23/2005

% Moisture: not dec. _____ Heated Purge: N

Date Analyzed: 11/28/2005

GC Column: DB-624 ID: 0.25 (mm)

Dilution Factor: 1.00

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS:		Q
		(ug/L or ug/Kg)	UG/L	
76-13-1-----	1,1,2-Trichloro-1,2,2-trifluoroethane	10	U	
156-60-5-----	trans-1,2-Dichloroethene	10	U	
1634-04-4-----	Methyl-t-Butyl Ether (MIBE)	10	U	
156-59-2-----	cis-1,2-Dichloroethene	10	U	
110-82-7-----	Cyclohexane	10	U	
108-87-2-----	Methylcyclohexane	10	U	
106-93-4-----	1,2-Dibromoethane	10	U	
98-82-8-----	Isopropylbenzene	10	U	
541-73-1-----	1,3-Dichlorobenzene	10	U	
106-46-7-----	1,4-Dichlorobenzene	10	U	
95-50-1-----	1,2-Dichlorobenzene	10	U	
96-12-8-----	1,2-Dibromo-3-chloropropane	10	U	
120-82-1-----	1,2,4-Trichlorobenzene	10	U	
79-20-9-----	Methyl acetate	10	U	

DELTA - AQ - ASP 2000/8260 - TCL VOLATILES
TENTATIVELY IDENTIFIED COMPOUNDS

36/1061

Client No.

MW-2S

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) WATER Lab Sample ID: A5D40102

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: Q9032.RR

Level: (low/med) LOW Date Samp/Recv: 11/21/2005 11/23/2005

% Moisture: not dec. _____ Date Analyzed: 11/28/2005

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

Number TICs found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

CAS NO.	Compound Name	RT	Est. Conc.	Q

Lab Name: STL Buffalo

Contract: _____

MW-3

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) WATER

Lab Sample ID: A5D40104

Sample wt/vol: 5.00 (g/mL) ML

Lab File ID: Q9034.RR

Level: (low/med) LOW

Date Samp/Recv: 11/21/2005 11/23/2005

% Moisture: not dec. _____ Heated Purge: N

Date Analyzed: 11/28/2005

GC Column: DB-624 ID: 0.25 (mm)

Dilution Factor: 4.00

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS:		Q
		(ug/L or ug/Kg)	UG/L	
74-87-3	Chloromethane	40	U	
74-83-9	Bromomethane	40	U	
75-01-4	Vinyl chloride	40	U	
75-00-3	Chloroethane	40	U	
75-09-2	Methylene chloride	40	U	
67-64-1	Acetone	40	U	
75-15-0	Carbon Disulfide	40	U	
75-35-4	1,1-Dichloroethene	40	U	
75-34-3	1,1-Dichloroethane	40	U	
67-66-3	Chloroform	40	U	
107-06-2	1,2-Dichloroethane	40	U	
78-93-3	2-Butanone	40	U	
71-55-6	1,1,1-Trichloroethane	40	U	
56-23-5	Carbon Tetrachloride	40	U	
75-27-4	Bromodichloromethane	40	U	
78-87-5	1,2-Dichloropropane	40	U	
10061-01-5	cis-1,3-Dichloropropene	40	U	
79-01-6	Trichloroethene	40	U	
124-48-1	Dibromochloromethane	40	U	
79-00-5	1,1,2-Trichloroethane	40	U	
71-43-2	Benzene	40	U	
10061-02-6	trans-1,3-Dichloropropene	40	U	
75-25-2	Bromoform	40	U	
108-10-1	4-Methyl-2-pentanone	40	U	
591-78-6	2-Hexanone	40	U	
127-18-4	Tetrachloroethene	40	U	
108-88-3	Toluene	40	U	
79-34-5	1,1,2,2-Tetrachloroethane	40	U	
108-90-7	Chlorobenzene	40	U	
100-41-4	Ethylbenzene	40	U	
100-42-5	Styrene	40	U	
1330-20-7	Total Xylenes	40	U	
75-71-8	Dichlorodifluoromethane	40	U	
75-69-4	Trichlorofluoromethane	40	U	

DELTA - AQ - ASP 2000/8260 - TCL VOLATILES
ANALYSIS DATA SHEET

38/1061

Client No.

MW-3

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) WATER Lab Sample ID: A5D40104

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: Q9034.RR

Level: (low/med) LOW Date Samp/Recv: 11/21/2005 11/23/2005

% Moisture: not dec. _____ Heated Purge: N Date Analyzed: 11/28/2005

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 4.00

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/L Q

76-13-1-----	1,1,2-Trichloro-1,2,2-trifluoroethane	40	U
156-60-5-----	trans-1,2-Dichloroethene	40	U
1634-04-4-----	Methyl-t-Butyl Ether (MTBE)	40	U
156-59-2-----	cis-1,2-Dichloroethene	40	U
110-82-7-----	Cyclohexane	40	U
108-87-2-----	Methylcyclohexane	40	U
106-93-4-----	1,2-Dibromoethane	40	U
98-82-8-----	Isopropylbenzene	40	U
541-73-1-----	1,3-Dichlorobenzene	40	U
106-46-7-----	1,4-Dichlorobenzene	40	U
95-50-1-----	1,2-Dichlorobenzene	40	U
96-12-8-----	1,2-Dibromo-3-chloropropane	40	U
120-82-1-----	1,2,4-Trichlorobenzene	40	U
79-20-9-----	Methyl acetate	40	U

MW-3

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) WATER Lab Sample ID: A5D40104

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: Q9034.RR

Level: (low/med) LOW Date Samp/Recv: 11/21/2005 11/23/2005

% Moisture: not dec. _____ Date Analyzed: 11/28/2005

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 4.00

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

Number TICs found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

CAS NO.	Compound Name	RT	Est. Conc.	Q

DELTA - AQ - ASP 2000/8260 - TCL VOLATILES
ANALYSIS DATA SHEET

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Client No.

MW-3S

Lab Name: STL Buffalo

Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) WATER

Lab Sample ID: A5D40103

Sample wt/vol: 5.00 (g/mL) ML

Lab File ID: Q9033.RR

Level: (low/med) LOW

Date Samp/Recv: 11/21/2005 11/23/2005

% Moisture: not dec. _____ Heated Purge: N

Date Analyzed: 11/28/2005

GC Column: DB-624 ID: 0.25 (mm)

Dilution Factor: 1.00

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/L	Q
74-87-3	Chloromethane	10	U	
74-83-9	Bromomethane	10	U	
75-01-4	Vinyl chloride	10	U	
75-00-3	Chloroethane	10	U	
75-09-2	Methylene chloride	10	U	
67-64-1	Acetone	10	U	
75-15-0	Carbon Disulfide	10	U	
75-35-4	1,1-Dichloroethene	10	U	
75-34-3	1,1-Dichloroethane	10	U	
67-66-3	Chloroform	10	U	
107-06-2	1,2-Dichloroethane	10	U	
78-93-3	2-Butanone	10	U	
71-55-6	1,1,1-Trichloroethane	10	U	
56-23-5	Carbon Tetrachloride	10	U	
75-27-4	Bromodichloromethane	10	U	
78-87-5	1,2-Dichloropropane	10	U	
10061-01-5	cis-1,3-Dichloropropene	10	U	
79-01-6	Trichloroethene	10	U	
124-48-1	Dibromochloromethane	10	U	
79-00-5	1,1,2-Trichloroethane	10	U	
71-43-2	Benzene	10	U	
10061-02-6	trans-1,3-Dichloropropene	10	U	
75-25-2	Bromoform	10	U	
108-10-1	4-Methyl-2-pentanone	10	U	
591-78-6	2-Hexanone	10	U	
127-18-4	Tetrachloroethene	10	U	
108-88-3	Toluene	10	U	
79-34-5	1,1,2,2-Tetrachloroethane	10	U	
108-90-7	Chlorobenzene	10	U	
100-41-4	Ethylbenzene	10	U	
100-42-5	Styrene	10	U	
1330-20-7	Total Xylenes	10	U	
75-71-8	Dichlorodifluoromethane	10	U	
75-69-4	Trichlorofluoromethane	10	U	

MW-3S

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) WATER Lab Sample ID: A5D40103

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: Q9033.RR

Level: (low/med) LOW Date Samp/Recv: 11/21/2005 11/23/2005

% Moisture: not dec. _____ Heated Purge: N Date Analyzed: 11/28/2005

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS:		Q
		(ug/L or ug/Kg)	UG/L	
76-13-1-----	1,1,2-Trichloro-1,2,2-trifluoroethane	10	U	
156-60-5-----	trans-1,2-Dichloroethene	10	U	
1634-04-4-----	Methyl-t-Butyl Ether (MTBE)	10	U	
156-59-2-----	cis-1,2-Dichloroethene	10	U	
110-82-7-----	Cyclohexane	10	U	
108-87-2-----	Methylcyclohexane	10	U	
106-93-4-----	1,2-Dibromoethane	10	U	
98-82-8-----	Isopropylbenzene	10	U	
541-73-1-----	1,3-Dichlorobenzene	10	U	
106-46-7-----	1,4-Dichlorobenzene	10	U	
95-50-1-----	1,2-Dichlorobenzene	10	U	
96-12-8-----	1,2-Dibromo-3-chloropropane	10	U	
120-82-1-----	1,2,4-Trichlorobenzene	10	U	
79-20-9-----	Methyl acetate	10	U	

DELTA - AQ - ASP 2000/8260 - TCL VOLATILES
TENTATIVELY IDENTIFIED COMPOUNDS

42/1061

Client No.

MW-3S

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) WATER Lab Sample ID: A5D40103

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: Q9033.RR

Level: (low/med) LOW Date Samp/Recv: 11/21/2005 11/23/2005

% Moisture: not dec. _____ Date Analyzed: 11/28/2005

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

Number TICs found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

CAS NO.	Compound Name	RT	Est. Conc.	Q

DELTA - AQ - ASP 2000/8260 - TCL VOLATILES
ANALYSIS DATA SHEET

43/1061

Client No.

MW-5

Lab Name: STL Buffalo

Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) WATER

Lab Sample ID: A5D40110

Sample wt/vol: 5.00 (g/mL) ML

Lab File ID: Q9040.RR

Level: (low/med) LOW

Date Samp/Recv: 11/22/2005 11/23/2005

% Moisture: not dec. _____ Heated Purge: N

Date Analyzed: 11/28/2005

GC Column: DB-624 ID: 0.25 (mm)

Dilution Factor: 1.00

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND	Q
74-87-3	Chloromethane	U
74-83-9	Bromomethane	U
75-01-4	Vinyl chloride	U
75-00-3	Chloroethane	U
75-09-2	Methylene chloride	U
67-64-1	Acetone	U
75-15-0	Carbon Disulfide	U
75-35-4	1,1-Dichloroethene	U
75-34-3	1,1-Dichloroethane	U
67-66-3	Chloroform	U
107-06-2	1,2-Dichloroethane	U
78-93-3	2-Butanone	U
71-55-6	1,1,1-Trichloroethane	U
56-23-5	Carbon Tetrachloride	U
75-27-4	Bromodichloromethane	U
78-87-5	1,2-Dichloropropane	U
10061-01-5	cis-1,3-Dichloropropene	U
79-01-6	Trichloroethene	U
124-48-1	Dibromochloromethane	U
79-00-5	1,1,2-Trichloroethane	U
71-43-2	Benzene	U
10061-02-6	trans-1,3-Dichloropropene	U
75-25-2	Bromoform	U
108-10-1	4-Methyl-2-pentanone	U
591-78-6	2-Hexanone	U
127-18-4	Tetrachloroethene	U
108-88-3	Toluene	U
79-34-5	1,1,2,2-Tetrachloroethane	U
108-90-7	Chlorobenzene	U
100-41-4	Ethylbenzene	19
100-42-5	Styrene	U
1330-20-7	Total Xylenes	U
75-71-8	Dichlorodifluoromethane	U
75-69-4	Trichlorofluoromethane	U

DELTA - AQ - ASP 2000/8260 - TCL VOLATILES
ANALYSIS DATA SHEET

44/1061

Client No.

MW-5

Lab Name: STL Buffalo

Contract: _____

Lab Code: RECNY

Case No.: _____

SAS No.: _____

SDG No.: _____

Matrix: (soil/water) WATER

Lab Sample ID: A5D40110

Sample wt/vol: 5.00 (g/mL) ML

Lab File ID: Q9040.RR

Level: (low/med) LOW

Date Samp/Recv: 11/22/2005 11/23/2005

% Moisture: not dec. _____ Heated Purge: N

Date Analyzed: 11/28/2005

GC Column: DB-624 ID: 0.25 (mm)

Dilution Factor: 1.00

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/L Q

76-13-1-----	1,1,2-Trichloro-1,2,2-trifluoroethane	10	U
156-60-5-----	trans-1,2-Dichloroethene	10	U
1634-04-4----	Methyl-t-Butyl Ether (MTBE)	10	U
156-59-2-----	cis-1,2-Dichloroethene	10	U
110-82-7-----	Cyclohexane	10	U
108-87-2-----	Methylcyclohexane	10	U
106-93-4-----	1,2-Dibromoethane	10	U
98-82-8-----	Isopropylbenzene	10	U
541-73-1-----	1,3-Dichlorobenzene	10	U
106-46-7-----	1,4-Dichlorobenzene	10	U
95-50-1-----	1,2-Dichlorobenzene	10	U
96-12-8-----	1,2-Dibromo-3-chloropropane	10	U
120-82-1-----	1,2,4-Trichlorobenzene	10	U
79-20-9-----	Methyl acetate	10	U

DELTA - AQ - ASP 2000/8260 - TCL VOLATILES
TENTATIVELY IDENTIFIED COMPOUNDS

45/1061

Client No.

MW-5

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) WATER Lab Sample ID: A5D40110

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: Q9040.RR

Level: (low/med) LOW Date Samp/Recv: 11/22/2005 11/23/2005

% Moisture: not dec. _____ Date Analyzed: 11/28/2005

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

Number TICs found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

CAS NO.	Compound Name	RT	Est. Conc.	Q

DELTA - AQ - ASP 2000/8260 - TCL VOLATILES
ANALYSIS DATA SHEET

46/1061

Client No.

MW-7

Lab Name: STL Buffalo Contract: _____

Lab Code: REONY Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) WATER

Lab Sample ID: A5D40105

Sample wt/vol: 5.00 (g/mL) ML

Lab File ID: Q9035.RR

Level: (low/med) LOW

Date Samp/Recv: 11/21/2005 11/23/2005

% Moisture: not dec. _____ Heated Purge: N

Date Analyzed: 11/28/2005

GC Column: DB-624 ID: 0.25 (mm)

Dilution Factor: 1.00

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/L Q

74-87-3	Chloromethane	10	U
74-83-9	Bromomethane	10	U
75-01-4	Vinyl chloride	10	U
75-00-3	Chloroethane	10	U
75-09-2	Methylene chloride	10	U
67-64-1	Acetone	10	U
75-15-0	Carbon Disulfide	10	U
75-35-4	1,1-Dichloroethene	10	U
75-34-3	1,1-Dichloroethane	10	U
67-66-3	Chloroform	10	U
107-06-2	1,2-Dichloroethane	10	U
78-93-3	2-Butanone	10	U
71-55-6	1,1,1-Trichloroethane	10	U
56-23-5	Carbon Tetrachloride	10	U
75-27-4	Bromodichloromethane	10	U
78-87-5	1,2-Dichloropropane	10	U
10061-01-5	cis-1,3-Dichloropropene	10	U
79-01-6	Trichloroethene	10	U
124-48-1	Dibromochloromethane	10	U
79-00-5	1,1,2-Trichloroethane	10	U
71-43-2	Benzene	10	U
10061-02-6	trans-1,3-Dichloropropene	10	U
75-25-2	Bromoform	10	U
108-10-1	4-Methyl-2-pentanone	10	U
591-78-6	2-Hexanone	10	U
127-18-4	Tetrachloroethene	10	U
108-88-3	Toluene	10	U
79-34-5	1,1,2,2-Tetrachloroethane	10	U
108-90-7	Chlorobenzene	10	U
100-41-4	Ethylbenzene	10	U
100-42-5	Styrene	10	U
1330-20-7	Total Xylenes	10	U
75-71-8	Dichlorodifluoromethane	10	U
75-69-4	Trichlorofluoromethane	10	U

DELTA - AQ - ASP 2000/8260 - TCL VOLATILES
ANALYSIS DATA SHEET

47/1061

Client No.

MW-7

Lab Name: STL Buffalo

Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) WATER

Lab Sample ID: A5D40105

Sample wt/vol: 5.00 (g/mL) ML

Lab File ID: Q9035.RR

Level: (low/med) LOW

Date Samp/Recv: 11/21/2005 11/23/2005

% Moisture: not dec. _____ Heated Purge: N

Date Analyzed: 11/28/2005

GC Column: DB-624 ID: 0.25 (mm)

Dilution Factor: 1.00

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS:	
		(ug/L or ug/Kg)	UG/L
76-13-1-----	1,1,2-Trichloro-1,2,2-trifluoroethane	10	U
156-60-5-----	trans-1,2-Dichloroethene	10	U
1634-04-4-----	Methyl-t-Butyl Ether (MTBE)	10	U
156-59-2-----	cis-1,2-Dichloroethene	10	U
110-82-7-----	Cyclohexane	10	U
108-87-2-----	Methylcyclohexane	10	U
106-93-4-----	1,2-Dibromoethane	10	U
98-82-8-----	Isopropylbenzene	10	U
541-73-1-----	1,3-Dichlorobenzene	10	U
106-46-7-----	1,4-Dichlorobenzene	10	U
95-50-1-----	1,2-Dichlorobenzene	10	U
96-12-8-----	1,2-Dibromo-3-chloropropane	10	U
120-82-1-----	1,2,4-Trichlorobenzene	10	U
79-20-9-----	Methyl acetate	10	U

MW-7

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) WATER Lab Sample ID: A5D40105

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: Q9035.RR

Level: (low/med) LOW Date Samp/Recv: 11/21/2005 11/23/2005

% Moisture: not dec. _____ Date Analyzed: 11/28/2005

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

Number TICs found: 0 CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

CAS NO.	Compound Name	RT	Est. Conc.	Q

DELTA - AQ - ASP 2000/8260 - TCL VOLATILES
ANALYSIS DATA SHEET

49/1061

Client No.

TRIP BLANK

Lab Name: STL Buffalo

Contract: _____

Lab Code: RECNY

Case No.: _____

SAS No.: _____

SDG No.: _____

Matrix: (soil/water) WATER

Lab Sample ID: A5D40112

Sample wt/vol: 5.00 (g/mL) ML

Lab File ID: Q9025.RR

Level: (low/med) LOW

Date Samp/Recv: 11/22/2005 11/23/2005

% Moisture: not dec. _____ Heated Purge: N

Date Analyzed: 11/28/2005

GC Column: DB-624 ID: 0.25 (mm)

Dilution Factor: 1.00

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

(ug/L or ug/Kg)

UG/L

Q

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg)	<u>UG/L</u>	<u>Q</u>
74-87-3	Chloromethane	10	U	
74-83-9	Bromomethane	10	U	
75-01-4	Vinyl chloride	10	U	
75-00-3	Chloroethane	10	U	
75-09-2	Methylene chloride	10	U	
67-64-1	Acetone	10	U	
75-15-0	Carbon Disulfide	10	U	
75-35-4	1,1-Dichloroethene	10	U	
75-34-3	1,1-Dichloroethane	10	U	
67-66-3	Chloroform	10	U	
107-06-2	1,2-Dichloroethane	10	U	
78-93-3	2-Butanone	10	U	
71-55-6	1,1,1-Trichloroethane	10	U	
56-23-5	Carbon Tetrachloride	10	U	
75-27-4	Bromodichloromethane	10	U	
78-87-5	1,2-Dichloropropane	10	U	
10061-01-5	cis-1,3-Dichloropropene	10	U	
79-01-6	Trichloroethene	10	U	
124-48-1	Dibromochloromethane	10	U	
79-00-5	1,1,2-Trichloroethane	10	U	
71-43-2	Benzene	10	U	
10061-02-6	trans-1,3-Dichloropropene	10	U	
75-25-2	Bromoform	10	U	
108-10-1	4-Methyl-2-pentanone	10	U	
591-78-6	2-Hexanone	10	U	
127-18-4	Tetrachloroethene	10	U	
108-88-3	Toluene	10	U	
79-34-5	1,1,2,2-Tetrachloroethane	10	U	
108-90-7	Chlorobenzene	10	U	
100-41-4	Ethylbenzene	10	U	
100-42-5	Styrene	10	U	
1330-20-7	Total Xylenes	10	U	
75-71-8	Dichlorodifluoromethane	10	U	
75-69-4	Trichlorofluoromethane	10	U	

Lab Name: SIL Buffalo

Contract: _____

TRIP BLANK

Lab Code: RECNV Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) WATER

Lab Sample ID: A5D40112

Sample wt/vol: 5.00 (g/mL) ML

Lab File ID: Q9025.RR

Level: (low/med) LOW

Date Samp/Recv: 11/22/2005 11/23/2005

% Moisture: not dec. _____ Heated Purge: N

Date Analyzed: 11/28/2005

GC Column: DB-624 ID: 0.25 (mm)

Dilution Factor: 1.00

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS:	
		(ug/L or ug/Kg)	UG/L
76-13-1-----	1,1,2-Trichloro-1,2,2-trifluoroethane	10	U
156-60-5-----	trans-1,2-Dichloroethene	10	U
1634-04-4-----	Methyl-t-Butyl Ether (MTBE)	10	U
156-59-2-----	cis-1,2-Dichloroethene	10	U
110-82-7-----	Cyclohexane	10	U
108-87-2-----	Methylcyclohexane	10	U
106-93-4-----	1,2-Dibromoethane	10	U
98-82-8-----	Isopropylbenzene	10	U
541-73-1-----	1,3-Dichlorobenzene	10	U
106-46-7-----	1,4-Dichlorobenzene	10	U
95-50-1-----	1,2-Dichlorobenzene	10	U
96-12-8-----	1,2-Dibromo-3-chloropropane	10	U
120-82-1-----	1,2,4-Trichlorobenzene	10	U
79-20-9-----	Methyl acetate	10	U

DELTA - AQ - ASP 2000/8260 - TCL VOLATILES
TENTATIVELY IDENTIFIED COMPOUNDS

51/1061

Client No.

TRIP BLANK

Lab Name: STL Buffalo Contract: _____

Lab Code: RECONY Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) WATER

Lab Sample ID: A5D40112

Sample wt/vol: 5.00 (g/mL) ML

Lab File ID: Q9025.RR

Level: (low/med) LOW

Date Samp/Recv: 11/22/2005 11/23/2005

% Moisture: not dec. _____

Date Analyzed: 11/28/2005

GC Column: DB-624 ID: 0.25 (mm)

Dilution Factor: 1.00

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

Number TICs found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

CAS NO.	Compound Name	RT	Est. Conc.	Q

ASP 2000 - METHOD 8270 SEMIVOLATILES
ANALYSIS DATA SHEET

52/1061

Client No.

Lab Name: STL Buffalo

Contract: _____

MW-1

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) WATER

Lab Sample ID: A5D40111

Sample wt/vol: 1060.0 (g/mL) ML

Lab File ID: W06910.RR

Level: (low/med) LOW

Date Samp/Recv: 11/22/2005 11/23/2005

% Moisture: _____ decanted: (Y/N) N

Date Extracted: 11/28/2005

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 12/06/2005

Injection Volume: 2.00 (uL)

Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 7.0

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/L Q

100-52-7	Benzaldehyde	9	U
108-95-2	Phenol	9	U
111-44-4	Bis(2-chloroethyl) ether	9	U
95-57-8	2-Chlorophenol	9	U
95-48-7	2-Methylphenol	9	U
108-60-1	2,2'-Oxybis(1-Chloropropane)	9	U
98-86-2	Acetophenone	9	U
106-44-5	4-Methylphenol	9	U
621-64-7	N-Nitroso-Di-n-propylamine	9	U
67-72-1	Hexachloroethane	9	U
98-95-3	Nitrobenzene	9	U
78-59-1	Isophorone	9	U
88-75-5	2-Nitrophenol	9	U
105-67-9	2,4-Dimethylphenol	9	U
111-91-1	Bis(2-chloroethoxy) methane	9	U
120-83-2	2,4-Dichlorophenol	9	U
91-20-3	Naphthalene	9	U
106-47-8	4-Chloroaniline	9	U
87-68-3	Hexachlorobutadiene	9	U
105-60-2	Caprolactam	9	U
59-50-7	4-Chloro-3-methylphenol	9	U
91-57-6	2-Methylnaphthalene	3	J
77-47-4	Hexachlorocyclopentadiene	24	U
88-06-2	2,4,6-Trichlorophenol	9	U
95-95-4	2,4,5-Trichlorophenol	9	U
92-52-4	Biphenyl	9	U
91-58-7	2-Chloronaphthalene	9	U
88-74-4	2-Nitroaniline	24	U
131-11-3	Dimethyl phthalate	9	U
208-96-8	Acenaphthylene	9	U
606-20-2	2,6-Dinitrotoluene	9	U
99-09-2	3-Nitroaniline	24	U

ASP 2000 - METHOD 8270 SEMIVOLATILES
ANALYSIS DATA SHEET

53/1061

Client No.

Lab Name: STL Buffalo

Contract: _____

MW-1

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) WATER

Lab Sample ID: A5D40111

Sample wt/vol: 1060.0 (g/mL) ML

Lab File ID: W06910.RR

Level: (low/med) LOW

Date Samp/Recv: 11/22/2005 11/23/2005

% Moisture: _____ decanted: (Y/N) N

Date Extracted: 11/28/2005

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 12/06/2005

Injection Volume: 2.00 (uL)

Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 7.0

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/L Q

83-32-9-----	Acenaphthene	0.6	J
51-28-5-----	2,4-Dinitrophenol	24	U
100-02-7-----	4-Nitrophenol	24	U
132-64-9-----	Dibenzofuran	9	U
121-14-2-----	2,4-Dinitrotoluene	9	U
84-66-2-----	Diethyl phthalate	9	U
7005-72-3-----	4-Chlorophenyl phenyl ether	9	U
86-73-7-----	Fluorene	9	U
100-01-6-----	4-Nitroaniline	24	U
534-52-1-----	4,6-Dinitro-2-methylphenol	24	U
86-30-6-----	N-nitrosodiphenylamine	9	U
101-55-3-----	4-Bromophenyl phenyl ether	9	U
118-74-1-----	Hexachlorobenzene	9	U
1912-24-9-----	Atrazine	9	U
87-86-5-----	Pentachlorophenol	24	U
85-01-8-----	Phenanthrene	0.8	J
120-12-7-----	Anthracene	1	J
86-74-8-----	Carbazole	9	U
84-74-2-----	Di-n-butyl phthalate	9	U
206-44-0-----	Fluoranthene	9	U
129-00-0-----	Pyrene	9	U
85-68-7-----	Butyl benzyl phthalate	9	U
91-94-1-----	3,3'-Dichlorobenzidine	9	U
56-55-3-----	Benzo(a)anthracene	9	U
218-01-9-----	Chrysene	9	U
117-81-7-----	Bis(2-ethylhexyl) phthalate	9	U
117-84-0-----	Di-n-octyl phthalate	9	U
205-99-2-----	Benzo(b)fluoranthene	9	U
207-08-9-----	Benzo(k)fluoranthene	9	U
50-32-8-----	Benzo(a)pyrene	9	U
193-39-5-----	Indeno(1,2,3-cd)pyrene	9	U
53-70-3-----	Dibenzo(a,h)anthracene	9	U

ASP 2000 - METHOD 8270 SEMIVOLATILES
ANALYSIS DATA SHEET

54/1061

Client No.

MW-1

Lab Name: STL Buffalo

Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) WATER

Lab Sample ID: ASD40111

Sample wt/vol: 1060.0 (g/mL) ML

Lab File ID: W06910.RR

Level: (low/med) LOW

Date Samp/Recv: 11/22/2005 11/23/2005

% Moisture: _____ decanted: (Y/N) N

Date Extracted: 11/28/2005

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 12/06/2005

Injection Volume: 2.00 (uL)

Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 7.0

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/L	Q
191-24-2-----	Benzo(ghi)perylene		9	U

ASP 2000 - METHOD 8270 SEMIVOLATILES
TENTATIVELY IDENTIFIED COMPOUNDS

55/1061

Client No.

MW-1

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) WATER Lab Sample ID: A5D40111

Sample wt/vol: 1060.0 (g/mL) ML Lab File ID: W06910.RR

Level: (low/med) LOW Date Samp/Recv: 11/22/2005 11/23/2005

% Moisture: _____ decanted: (Y/N) N Date Extracted: 11/28/2005

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/06/2005

Injection Volume: 2.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 7.0

Number TICs found: 30

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

CAS NO.	Compound Name	RT	Est. Conc.	Q
1. 78-40-0	TRIETHYL PHOSPHATE	7.63	42	JN
2.	UNKNOWN	8.26	43	J
3.	UNKNOWN	8.48	20	J
4.	UNKNOWN	8.62	15	J
5.	UNKNOWN	8.70	22	J
6.	UNKNOWN	8.84	23	J
7.	UNKNOWN	8.89	15	J
8.	UNKNOWN	9.10	63	J
9. 585-34-2	M-TERT-BUTYL PHENOL	9.28	55	JN
10.	UNKNOWN	9.36	27	J
11. 85-44-9	PHthalic ANHYDRIDE	9.53	28	JN
12.	UNKNOWN	9.65	42	J
13.	UNKNOWN	9.76	74	J
14.	UNKNOWN	9.84	23	J
15.	UNKNOWN	10.10	24	J
16.	UNKNOWN	10.17	17	J
17.	UNKNOWN	10.30	85	J
18.	UNKNOWN	10.33	27	J
19.	UNKNOWN	10.73	30	J
20.	UNKNOWN	10.76	15	J
21.	UNKNOWN	10.89	26	J
22.	UNKNOWN	10.92	15	J
23.	UNKNOWN	11.10	28	J

ASP 2000 - METHOD 8270 SEMIVOLATILES
TENTATIVELY IDENTIFIED COMPOUNDS

56/1061

Client No.

MW-1

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) WATER Lab Sample ID: A5D40111

Sample wt/vol: 1060.0 (g/mL) ML Lab File ID: W06910.RR

Level: (low/med) LOW Date Samp/Recv: 11/22/2005 11/23/2005

% Moisture: _____ decanted: (Y/N) N Date Extracted: 11/28/2005

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/06/2005

Injection Volume: 2.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 7.0

Number TICs found: 30

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

CAS NO.	Compound Name	RT	Est. Conc.	Q
24.	UNKNOWN	11.34	34	J
25.	UNKNOWN	11.46	16	J
26.	UNKNOWN	11.79	24	J
27.	UNKNOWN	11.93	36	J
28.	UNKNOWN	12.31	32	J
29. 934-34-9	2 (3H) -BENZOTHIASZOLONE	12.38	15	JN
30. 112-84-5	(Z) -13-DOCOSENAMIDE	16.42	33	JN

ASP 2000 - METHOD 8270 SEMIVOLATILES
ANALYSIS DATA SHEET

57/1061

Client No.

MW-10

Lab Name: STL Buffalo

Contract: _____

Lab Code: RECNY

Case No.: _____

SAS No.: _____

SDG No.: _____

Matrix: (soil/water) WATER

Lab Sample ID: A5D40109

Sample wt/vol: 1060.0 (g/mL) ML

Lab File ID: W06906.RR

Level: (low/med) LOW

Date Samp/Recv: 11/22/2005 11/23/2005

% Moisture: _____ decanted: (Y/N) N

Date Extracted: 11/28/2005

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 12/06/2005

Injection Volume: 2.00 (uL)

Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 7.0

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/L Q

100-52-7-----	Benzaldehyde	9	U
108-95-2-----	Phenol	9	U
111-44-4-----	Bis(2-chloroethyl) ether	9	U
95-57-8-----	2-Chlorophenol	9	U
95-48-7-----	2-Methylphenol	9	U
108-60-1-----	2,2'-Oxybis(1-Chloropropane)	9	U
98-86-2-----	Acetophenone	9	U
106-44-5-----	4-Methylphenol	9	U
621-64-7-----	N-Nitroso-Di-n-propylamine	9	U
67-72-1-----	Hexachloroethane	9	U
98-95-3-----	Nitrobenzene	9	U
78-59-1-----	Isophorone	9	U
88-75-5-----	2-Nitrophenol	9	U
105-67-9-----	2,4-Dimethylphenol	9	U
111-91-1-----	Bis(2-chloroethoxy) methane	9	U
120-83-2-----	2,4-Dichlorophenol	9	U
91-20-3-----	Naphthalene	9	U
106-47-8-----	4-Chloroaniline	9	U
87-68-3-----	Hexachlorobutadiene	9	U
105-60-2-----	Caprolactam	9	U
59-50-7-----	4-Chloro-3-methylphenol	9	U
91-57-6-----	2-Methylnaphthalene	9	U
77-47-4-----	Hexachlorocyclopentadiene	24	U
88-06-2-----	2,4,6-Trichlorophenol	9	U
95-95-4-----	2,4,5-Trichlorophenol	9	U
92-52-4-----	Biphenyl	9	U
91-58-7-----	2-Chloronaphthalene	9	U
88-74-4-----	2-Nitroaniline	24	U
131-11-3-----	Dimethyl phthalate	9	U
208-96-8-----	Acenaphthylene	9	U
606-20-2-----	2,6-Dinitrotoluene	9	U
99-09-2-----	3-Nitroaniline	24	U

ASP 2000 - METHOD 8270 SEMIVOLATILES
ANALYSIS DATA SHEET

58/1061

Client No.

Lab Name: STL Buffalo

Contract: _____

MW-10

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) WATER

Lab Sample ID: A5D40109

Sample wt/vol: 1060.0 (g/mL) ML

Lab File ID: W06906.RR

Level: (low/med) LOW

Date Samp/Recv: 11/22/2005 11/23/2005

% Moisture: _____ decanted: (Y/N) N

Date Extracted: 11/28/2005

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 12/06/2005

Injection Volume: 2.00 (uL)

Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 7.0

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/L Q

83-32-9-----	Acenaphthene	9	U
51-28-5-----	2,4-Dinitrophenol	24	U
100-02-7-----	4-Nitrophenol	24	U
132-64-9-----	Dibenzofuran	9	U
121-14-2-----	2,4-Dinitrotoluene	9	U
84-66-2-----	Diethyl phthalate	9	U
7005-72-3-----	4-Chlorophenyl phenyl ether	9	U
86-73-7-----	Fluorene	9	U
100-01-6-----	4-Nitroaniline	24	U
534-52-1-----	4,6-Dinitro-2-methylphenol	24	U
86-30-6-----	N-nitrosodiphenylamine	9	U
101-55-3-----	4-Bromophenyl phenyl ether	9	U
118-74-1-----	Hexachlorobenzene	9	U
1912-24-9-----	Atrazine	9	U
87-86-5-----	Pentachlorophenol	24	U
85-01-8-----	Phenanthrene	9	U
120-12-7-----	Anthracene	9	U
86-74-8-----	Carbazole	9	U
84-74-2-----	Di-n-butyl phthalate	9	U
206-44-0-----	Fluoranthene	9	U
129-00-0-----	Pyrene	9	U
85-68-7-----	Butyl benzyl phthalate	9	U
91-94-1-----	3,3'-Dichlorobenzidine	9	U
56-55-3-----	Benzo(a)anthracene	9	U
218-01-9-----	Chrysene	9	U
117-81-7-----	Bis(2-ethylhexyl) phthalate	9	U
117-84-0-----	Di-n-octyl phthalate	9	U
205-99-2-----	Benzo(b)fluoranthene	9	U
207-08-9-----	Benzo(k)fluoranthene	9	U
50-32-8-----	Benzo(a)pyrene	9	U
193-39-5-----	Indeno(1,2,3-cd)pyrene	9	U
53-70-3-----	Dibenzo(a,h)anthracene	9	U

ASP 2000 - METHOD 8270 SEMIVOLATILES
ANALYSIS DATA SHEET

59/1061

Client No.

MW-10

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) WATER Lab Sample ID: A5D40109

Sample wt/vol: 1060.0 (g/mL) ML Lab File ID: W06906.RR

Level: (low/med) LOW Date Samp/Recv: 11/22/2005 11/23/2005

% Moisture: _____ decanted: (Y/N) N Date Extracted: 11/28/2005

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/06/2005

Injection Volume: 2.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 7.0

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/L Q

191-24-2-----	Benzo (ghi) perylene	9	U
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ASP 2000 - METHOD 8270 SEMIVOLATILES
TENTATIVELY IDENTIFIED COMPOUNDS

60/1061

Client No.

MW-10

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) WATER Lab Sample ID: A5D40109

Sample wt/vol: 1060.0 (g/mL) ML Lab File ID: W06906.RR

Level: (low/med) LOW Date Samp/Recv: 11/22/2005 11/23/2005

% Moisture: _____ decanted: (Y/N) N Date Extracted: 11/28/2005

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/06/2005

Injection Volume: 2.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 7.0

Number TICs found: 28

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

CAS NO.	Compound Name	RT	Est. Conc.	Q
1. 78-40-0	TRIETHYL PHOSPHATE	7.64	28	JN
2.	UNKNOWN	7.99	4	J
3.	UNKNOWN PHENOL DERIVATIVE	8.42	9	J
4.	UNKNOWN	8.54	6	J
5.	UNKNOWN	8.61	4	J
6.	UNKNOWN PHENOL DERIVATIVE	8.68	4	J
7.	UNKNOWN	8.81	8	J
8.	UNKNOWN	8.90	3	J
9.	UNKNOWN	8.99	4	J
10.	UNKNOWN	9.06	10	J
11.	UNKNOWN	9.14	3	J
12.	UNKNOWN	9.20	4	J
13.	UNKNOWN	9.28	6	J
14.	UNKNOWN	9.32	4	J
15.	UNKNOWN	9.42	2	J
16.	UNKNOWN	9.55	5	J
17.	UNKNOWN	9.76	5	J
18.	UNKNOWN ACETIC ACID DERIVATI	9.79	4	J
19.	UNKNOWN	9.90	5	J
20.	UNKNOWN PHENOL DERIVATIVE	10.20	11	J
21.	UNKNOWN	10.34	5	J
22.	UNKNOWN	10.43	8	J
23.	UNKNOWN	10.47	3	J

ASP 2000 - METHOD 8270 SEMIVOLATILES
TENTATIVELY IDENTIFIED COMPOUNDS

61/1061

Client No.

MW-10

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) WATER Lab Sample ID: A5D40109

Sample wt/vol: 1060.0 (g/mL) ML Lab File ID: W06906.RR

Level: (low/med) LOW Date Samp/Recv: 11/22/2005 11/23/2005

% Moisture: _____ decanted: (Y/N) N Date Extracted: 11/28/2005

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/06/2005

Injection Volume: 2.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 7.0

Number TICs found: 28

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

CAS NO.	Compound Name	RT	Est. Conc.	Q
24.	UNKNOWN	11.13	3	J
25.	UNKNOWN	11.89	5	J
26.	UNKNOWN	11.94	6	J
27.	UNKNOWN	12.20	2	J
28. 112-84-5	(Z)-13-DOCOSENAMIDE	16.39	32	BJN

ASP 2000 - METHOD 8270 SEMIVOLATILES
ANALYSIS DATA SHEET

62/1061

Client No.

MW-13

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) WATER Lab Sample ID: A5D40107

Sample wt/vol: 1060.0 (g/mL) ML Lab File ID: W06904.RR

Level: (low/med) LOW Date Samp/Recv: 11/22/2005 11/23/2005

% Moisture: _____ decanted: (Y/N) N Date Extracted: 11/28/2005

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/06/2005

Injection Volume: 2.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 7.0

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/L Q

100-52-7-----	Benzaldehyde	9	U
108-95-2-----	Phenol	9	U
111-44-4-----	Bis(2-chloroethyl) ether	9	U
95-57-8-----	2-Chlorophenol	9	U
95-48-7-----	2-Methylphenol	9	U
108-60-1-----	2,2'-Oxybis(1-Chloropropane)	9	U
98-86-2-----	Acetophenone	9	U
106-44-5-----	4-Methylphenol	9	U
621-64-7-----	N-Nitroso-Di-n-propylamine	9	U
67-72-1-----	Hexachloroethane	9	U
98-95-3-----	Nitrobenzene	9	U
78-59-1-----	Isophorone	9	U
88-75-5-----	2-Nitrophenol	9	U
105-67-9-----	2,4-Dimethylphenol	9	U
111-91-1-----	Bis(2-chloroethoxy) methane	9	U
120-83-2-----	2,4-Dichlorophenol	9	U
91-20-3-----	Naphthalene	9	U
106-47-8-----	4-Chloroaniline	9	U
87-68-3-----	Hexachlorobutadiene	9	U
105-60-2-----	Caprolactam	9	U
59-50-7-----	4-Chloro-3-methylphenol	9	U
91-57-6-----	2-Methylnaphthalene	9	U
77-47-4-----	Hexachlorocyclopentadiene	24	U
88-06-2-----	2,4,6-Trichlorophenol	9	U
95-95-4-----	2,4,5-Trichlorophenol	9	U
92-52-4-----	Biphenyl	9	U
91-58-7-----	2-Chloronaphthalene	9	U
88-74-4-----	2-Nitroaniline	24	U
131-11-3-----	Dimethyl phthalate	9	U
208-96-8-----	Acenaphthylene	9	U
606-20-2-----	2,6-Dinitrotoluene	9	U
99-09-2-----	3-Nitroaniline	24	U

ASP 2000 - METHOD 8270 SEMIVOLATILES
ANALYSIS DATA SHEET

63/1061

Client No.

MW-13

Lab Name: STL Buffalo

Contract: _____

Lab Code: RECNV

Case No.: _____

SAS No.: _____

SDG No.: _____

Matrix: (soil/water) WATER

Lab Sample ID: A5D40107

Sample wt/vol: 1060.0 (g/mL) ML

Lab File ID: W06904.RR

Level: (low/med) LOW

Date Samp/Recv: 11/22/2005 11/23/2005

% Moisture: _____ decanted: (Y/N) N

Date Extracted: 11/28/2005

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 12/06/2005

Injection Volume: 2.00 (uL)

Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 7.0

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/L Q

83-32-9-----	Acenaphthene	0.3	J
51-28-5-----	2,4-Dinitrophenol	24	U
100-02-7-----	4-Nitrophenol	24	U
132-64-9-----	Dibenzofuran	9	U
121-14-2-----	2,4-Dinitrotoluene	9	U
84-66-2-----	Diethyl phthalate	9	U
7005-72-3-----	4-Chlorophenyl phenyl ether	9	U
86-73-7-----	Fluorene	9	U
100-01-6-----	4-Nitroaniline	24	U
534-52-1-----	4,6-Dinitro-2-methylphenol	24	U
86-30-6-----	N-nitrosodiphenylamine	9	U
101-55-3-----	4-Bromophenyl phenyl ether	9	U
118-74-1-----	Hexachlorobenzene	9	U
1912-24-9-----	Atrazine	9	U
87-86-5-----	Pentachlorophenol	24	U
85-01-8-----	Phenanthrene	0.3	J
120-12-7-----	Anthracene	9	U
86-74-8-----	Carbazole	9	U
84-74-2-----	Di-n-butyl phthalate	9	U
206-44-0-----	Fluoranthene	9	U
129-00-0-----	Pyrene	0.2	J
85-68-7-----	Butyl benzyl phthalate	9	U
91-94-1-----	3,3'-Dichlorobenzidine	9	U
56-55-3-----	Benzo(a)anthracene	9	U
218-01-9-----	Chrysene	9	U
117-81-7-----	Bis(2-ethylhexyl) phthalate	9	U
117-84-0-----	Di-n-octyl phthalate	9	U
205-99-2-----	Benzo(b)fluoranthene	9	U
207-08-9-----	Benzo(k)fluoranthene	9	U
50-32-8-----	Benzo(a)pyrene	9	U
193-39-5-----	Indeno(1,2,3-cd)pyrene	9	U
53-70-3-----	Dibenzo(a,h)anthracene	9	U

ASP 2000 - METHOD 8270 SEMIVOLATILES
ANALYSIS DATA SHEET

64/1061

Client No.

MW-13

Lab Name: STL Buffalo

Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) WATER

Lab Sample ID: A5D40107

Sample wt/vol: 1060.0 (g/mL) ML

Lab File ID: W06904.RR

Level: (low/med) LOW

Date Samp/Recv: 11/22/2005 11/23/2005

% Moisture: _____ decanted: (Y/N) N

Date Extracted: 11/28/2005

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 12/06/2005

Injection Volume: 2.00 (uL)

Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 7.0

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/L Q

191-24-2-----Benzo(ghi)perylene

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ASP 2000 - METHOD 8270 SEMIVOLATILES
TENTATIVELY IDENTIFIED COMPOUNDS

65/1061

Client No.

MW-13

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) WATER Lab Sample ID: A5D40107

Sample wt/vol: 1060.0 (g/mL) ML Lab File ID: W06904.RR

Level: (low/med) LOW Date Samp/Recv: 11/22/2005 11/23/2005

% Moisture: _____ decanted: (Y/N) N Date Extracted: 11/28/2005

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/06/2005

Injection Volume: 2.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 7.0

Number TICs found: 28

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

CAS NO.	Compound Name	RT	Est. Conc.	Q
1.	UNKNOWN	6.63	3	J
2. 78-40-0	TRIETHYL PHOSPHATE	7.64	5	JN
3.	UNKNOWN	8.14	4	J
4.	UNKNOWN	8.42	8	J
5.	UNKNOWN	8.46	2	J
6.	UNKNOWN	8.54	7	J
7.	UNKNOWN	8.72	5	J
8.	UNKNOWN	8.87	3	J
9.	UNKNOWN	8.98	8	J
10.	UNKNOWN	9.04	4	J
11.	UNKNOWN	9.17	2	J
12.	UNKNOWN	9.26	3	J
13.	UNKNOWN	9.34	2	J
14.	UNKNOWN	9.39	2	J
15.	UNKNOWN	9.43	4	J
16.	UNKNOWN	9.53	6	J
17.	UNKNOWN	9.60	3	J
18.	UNKNOWN	9.63	7	J
19.	UNKNOWN	9.73	3	J
20.	UNKNOWN	10.08	2	J
21.	UNKNOWN	10.15	4	J
22.	UNKNOWN	10.19	3	J
23.	UNKNOWN	10.51	2	J

ASP 2000 - METHOD 8270 SEMIVOLATILES
TENTATIVELY IDENTIFIED COMPOUNDS

66/1061

Client No.

MW-13

Lab Name: STL Buffalo Contract: _____

Lab Code: RECONY Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) WATER Lab Sample ID: A5D40107

Sample wt/vol: 1060.0 (g/mL) ML Lab File ID: W06904.RR

Level: (low/med) LOW Date Samp/Recv: 11/22/2005 11/23/2005

% Moisture: _____ decanted: (Y/N) N Date Extracted: 11/28/2005

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/06/2005

Injection Volume: 2.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 7.0

Number TICs found: 28

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

CAS NO.	Compound Name	RT	Est. Conc.	Q
24.	UNKNOWN	10.56	3	J
25.	UNKNOWN	11.86	3	J
26.	UNKNOWN	12.26	2	J
27. 123-95-5	BUTYL ESTER OCTADECANOIC ACI	15.24	24	JN
28. 112-84-5	(Z)-13-DOCOSENAMIDE	16.39	31	BJN

ASP 2000 - METHOD 8270 SEMIVOLATILES
ANALYSIS DATA SHEET

67/1061

Client No.

Lab Name: STL Buffalo

Contract: _____

MW-13C

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) WATER

Lab Sample ID: A5D40108

Sample wt/vol: 1060.0 (g/mL) ML

Lab File ID: W06905.RR

Level: (low/med) LOW

Date Samp/Recv: 11/22/2005 11/23/2005

% Moisture: _____ decanted: (Y/N) N

Date Extracted: 11/28/2005

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 12/06/2005

Injection Volume: 2.00 (uL)

Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 7.0

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/L Q

100-52-7	Benzaldehyde	9	U
108-95-2	Phenol	9	U
111-44-4	Bis(2-chloroethyl) ether	9	U
95-57-8	2-Chlorophenol	9	U
95-48-7	2-Methylphenol	9	U
108-60-1	2,2'-Oxybis(1-Chloropropane)	9	U
98-86-2	Acetophenone	9	U
106-44-5	4-Methylphenol	9	U
621-64-7	N-Nitroso-Di-n-propylamine	9	U
67-72-1	Hexachloroethane	9	U
98-95-3	Nitrobenzene	9	U
78-59-1	Isophorone	9	U
88-75-5	2-Nitrophenol	9	U
105-67-9	2,4-Dimethylphenol	9	U
111-91-1	Bis(2-chloroethoxy) methane	9	U
120-83-2	2,4-Dichlorophenol	9	U
91-20-3	Naphthalene	9	U
106-47-8	4-Chloroaniline	9	U
87-68-3	Hexachlorobutadiene	9	U
105-60-2	Caprolactam	9	U
59-50-7	4-Chloro-3-methylphenol	9	U
91-57-6	2-Methylnaphthalene	9	U
77-47-4	Hexachlorocyclopentadiene	24	U
88-06-2	2,4,6-Trichlorophenol	9	U
95-95-4	2,4,5-Trichlorophenol	9	U
92-52-4	Biphenyl	9	U
91-58-7	2-Chloronaphthalene	9	U
88-74-4	2-Nitroaniline	24	U
131-11-3	Dimethyl phthalate	9	U
208-96-8	Acenaphthylene	9	U
606-20-2	2,6-Dinitrotoluene	9	U
99-09-2	3-Nitroaniline	24	U

ASP 2000 - METHOD 8270 SEMIVOLATILES
ANALYSIS DATA SHEET

68/1061

Client No.

MW-13C

Lab Name: SIL Buffalo

Contract: _____

Lab Code: RECNY

Case No.: _____

SAS No.: _____

SDG No.: _____

Matrix: (soil/water) WATER

Lab Sample ID: A5D40108

Sample wt/vol: 1060.0 (g/mL) ML

Lab File ID: W06905.RR

Level: (low/med) LOW

Date Samp/Recv: 11/22/2005 11/23/2005

% Moisture: _____ decanted: (Y/N) N

Date Extracted: 11/28/2005

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 12/06/2005

Injection Volume: 2.00 (uL)

Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 7.0

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/L Q

83-32-9-----	Acenaphthene	0.4	J
51-28-5-----	2,4-Dinitrophenol	24	U
100-02-7-----	4-Nitrophenol	24	U
132-64-9-----	Dibenzofuran	9	U
121-14-2-----	2,4-Dinitrotoluene	9	U
84-66-2-----	Diethyl phthalate	9	U
7005-72-3-----	4-Chlorophenyl phenyl ether	9	U
86-73-7-----	Fluorene	9	U
100-01-6-----	4-Nitroaniline	24	U
534-52-1-----	4,6-Dinitro-2-methylphenol	24	U
86-30-6-----	N-nitrosodiphenylamine	9	U
101-55-3-----	4-Bromophenyl phenyl ether	9	U
118-74-1-----	Hexachlorobenzene	9	U
1912-24-9-----	Atrazine	9	U
87-86-5-----	Pentachlorophenol	24	U
85-01-8-----	Phenanthrene	0.3	J
120-12-7-----	Anthracene	9	U
86-74-8-----	Carbazole	9	U
84-74-2-----	Di-n-butyl phthalate	9	U
206-44-0-----	Fluoranthene	9	U
129-00-0-----	Pyrene	9	U
85-68-7-----	Butyl benzyl phthalate	9	U
91-94-1-----	3,3'-Dichlorobenzidine	9	U
56-55-3-----	Benzo(a)anthracene	9	U
218-01-9-----	Chrysene	9	U
117-81-7-----	Bis(2-ethylhexyl) phthalate	9	U
117-84-0-----	Di-n-octyl phthalate	9	U
205-99-2-----	Benzo(b)fluoranthene	9	U
207-08-9-----	Benzo(k)fluoranthene	9	U
50-32-8-----	Benzo(a)pyrene	9	U
193-39-5-----	Indeno(1,2,3-cd)pyrene	9	U
53-70-3-----	Dibenzo(a,h)anthracene	9	U

ASP 2000 - METHOD 8270 SEMIVOLATILES
ANALYSIS DATA SHEET

69/1061

Client No.

MW-13C

Lab Name: STL Buffalo Contract: _____

Lab Code: RECN Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) WATER Lab Sample ID: A5D40108

Sample wt/vol: 1060.0 (g/mL) ML Lab File ID: W06905.RR

Level: (low/med) LOW Date Samp/Recv: 11/22/2005 11/23/2005

% Moisture: _____ decanted: (Y/N) N Date Extracted: 11/28/2005

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/06/2005

Injection Volume: 2.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 7.0

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/L Q

191-24-2-----	Benzo(ghi)perylene	9	U
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ASP 2000 - METHOD 8270 SEMIVOLATILES
TENTATIVELY IDENTIFIED COMPOUNDS

70/1061

Client No.

MW-13C

Lab Name: STL Buffalo

Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) WATER

Lab Sample ID: A5D40108

Sample wt/vol: 1060.0 (g/mL) ML

Lab File ID: W06905.RR

Level: (low/med) LOW

Date Samp/Recv: 11/22/2005 11/23/2005

% Moisture: _____ decanted: (Y/N) N

Date Extracted: 11/28/2005

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 12/06/2005

Injection Volume: 2.00 (uL)

Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 7.0

CONCENTRATION UNITS:

(ug/L or ug/Kg) UG/L

Number TICs found: 30

CAS NO.	Compound Name	RT	Est. Conc.	Q
1.	UNKNOWN	6.63	3	J
2.	UNKNOWN	7.64	5	J
3.	UNKNOWN	8.15	5	J
4.	UNKNOWN PHENOL DERIVATIVE	8.42	9	J
5.	UNKNOWN	8.46	2	J
6.	UNKNOWN	8.54	8	J
7.	UNKNOWN	8.72	4	J
8.	UNKNOWN	8.87	3	J
9.	UNKNOWN	8.98	9	J
10.	UNKNOWN	9.05	4	J
11.	UNKNOWN	9.26	4	J
12.	UNKNOWN	9.30	2	J
13.	UNKNOWN	9.35	2	J
14.	UNKNOWN	9.39	3	J
15.	UNKNOWN	9.53	7	J
16.	UNKNOWN	9.64	8	J
17.	UNKNOWN	9.74	3	J
18.	UNKNOWN	9.87	2	J
19.	UNKNOWN	10.08	2	J
20.	UNKNOWN	10.16	3	J
21.	UNKNOWN	10.19	5	J
22.	UNKNOWN	10.41	2	J
23.	UNKNOWN	10.43	2	J

ASP 2000 - METHOD 8270 SEMIVOLATILES
TENTATIVELY IDENTIFIED COMPOUNDS

71/1061

Client No.

MW-13C

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) WATER Lab Sample ID: A5D40108

Sample wt/vol: 1060.0 (g/mL) ML Lab File ID: W06905.RR

Level: (low/med) LOW Date Samp/Recv: 11/22/2005 11/23/2005

% Moisture: _____ decanted: (Y/N) N Date Extracted: 11/28/2005

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/06/2005

Injection Volume: 2.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 7.0

Number TICs found: 30

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

CAS NO.	Compound Name	RT	Est. Conc.	Q
24.	UNKNOWN	10.52	2	J
25.	UNKNOWN	10.57	3	J
26.	UNKNOWN	10.65	2	J
27.	UNKNOWN	11.86	4	J
28.	UNKNOWN BENZENE DERIVATIVE	12.26	2	J
29.	UNKNOWN AMIDE DERIVATIVE	15.81	3	J
30. 112-84-5	(Z)-13-DOCOSENAMIDE	16.38	63	BJN

ASP 2000 - METHOD 8270 SEMIVOLATILES
ANALYSIS DATA SHEET

72/1061

Client No.

MW-14

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) WATER Lab Sample ID: A5D40106

Sample wt/vol: 1060.0 (g/mL) ML Lab File ID: W06903.RR

Level: (low/med) LOW Date Samp/Recv: 11/21/2005 11/23/2005

% Moisture: _____ decanted: (Y/N) N Date Extracted: 11/28/2005

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/06/2005

Injection Volume: 2.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 7.0

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/L Q

100-52-7-----	Benzaldehyde	9	U
108-95-2-----	Phenol	9	U
111-44-4-----	Bis(2-chloroethyl) ether	9	U
95-57-8-----	2-Chlorophenol	9	U
95-48-7-----	2-Methylphenol	9	U
108-60-1-----	2,2'-Oxybis(1-Chloropropane)	9	U
98-86-2-----	Acetophenone	9	U
106-44-5-----	4-Methylphenol	9	U
621-64-7-----	N-Nitroso-Di-n-propylamine	9	U
67-72-1-----	Hexachloroethane	9	U
98-95-3-----	Nitrobenzene	9	U
78-59-1-----	Isophorone	9	U
88-75-5-----	2-Nitrophenol	9	U
105-67-9-----	2,4-Dimethylphenol	9	U
111-91-1-----	Bis(2-chloroethoxy) methane	9	U
120-83-2-----	2,4-Dichlorophenol	9	U
91-20-3-----	Naphthalene	9	U
106-47-8-----	4-Chloroaniline	9	U
87-68-3-----	Hexachlorobutadiene	9	U
105-60-2-----	Caprolactam	9	U
59-50-7-----	4-Chloro-3-methylphenol	9	U
91-57-6-----	2-Methylnaphthalene	9	U
77-47-4-----	Hexachlorocyclopentadiene	24	U
88-06-2-----	2,4,6-Trichlorophenol	9	U
95-95-4-----	2,4,5-Trichlorophenol	9	U
92-52-4-----	Biphenyl	9	U
91-58-7-----	2-Chloronaphthalene	9	U
88-74-4-----	2-Nitroaniline	24	U
131-11-3-----	Dimethyl phthalate	9	U
208-96-8-----	Acenaphthylene	9	U
606-20-2-----	2,6-Dinitrotoluene	9	U
99-09-2-----	3-Nitroaniline	24	U

ASP 2000 - METHOD 8270 SEMIVOLATILES
ANALYSIS DATA SHEET

73/1061

Client No.

MW-14

Lab Name: STL Buffalo

Contract: _____

Lab Code: RECNY

Case No.: _____

SAS No.: _____

SDG No.: _____

Matrix: (soil/water) WATER

Lab Sample ID: A5D40106

Sample wt/vol: 1060.0 (g/mL) ML

Lab File ID: W06903.RR

Level: (low/med) LOW

Date Samp/Recv: 11/21/2005 11/23/2005

% Moisture: _____ decanted: (Y/N) N

Date Extracted: 11/28/2005

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 12/06/2005

Injection Volume: 2.00 (uL)

Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 7.0

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/L Q

83-32-9-----	Acenaphthene	9	U
51-28-5-----	2,4-Dinitrophenol	24	U
100-02-7-----	4-Nitrophenol	24	U
132-64-9-----	Dibenzofuran	9	U
121-14-2-----	2,4-Dinitrotoluene	9	U
84-66-2-----	Diethyl phthalate	9	U
7005-72-3-----	4-Chlorophenyl phenyl ether	9	U
86-73-7-----	Fluorene	9	U
100-01-6-----	4-Nitroaniline	24	U
534-52-1-----	4,6-Dinitro-2-methylphenol	24	U
86-30-6-----	N-nitrosodiphenylamine	9	U
101-55-3-----	4-Bromophenyl phenyl ether	9	U
118-74-1-----	Hexachlorobenzene	9	U
1912-24-9-----	Atrazine	9	U
87-86-5-----	Pentachlorophenol	24	U
85-01-8-----	Phenanthrene	9	U
120-12-7-----	Anthracene	9	U
86-74-8-----	Carbazole	9	U
84-74-2-----	Di-n-butyl phthalate	9	U
206-44-0-----	Fluoranthene	9	U
129-00-0-----	Pyrene	9	U
85-68-7-----	Butyl benzyl phthalate	9	U
91-94-1-----	3,3'-Dichlorobenzidine	9	U
56-55-3-----	Benzo (a) anthracene	9	U
218-01-9-----	Chrysene	9	U
117-81-7-----	Bis(2-ethylhexyl) phthalate	9	U
117-84-0-----	Di-n-octyl phthalate	9	U
205-99-2-----	Benzo (b) fluoranthene	9	U
207-08-9-----	Benzo (k) fluoranthene	9	U
50-32-8-----	Benzo (a) pyrene	9	U
193-39-5-----	Indeno (1,2,3-cd) pyrene	9	U
53-70-3-----	Dibenzo (a,h) anthracene	9	U

ASP 2000 - METHOD 8270 SEMIVOLATILES
ANALYSIS DATA SHEET

74/1061

Client No.

MW-14

Lab Name: STL Buffalo

Contract: _____

Lab Code: RECN Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) WATER

Lab Sample ID: A5D40106

Sample wt/vol: 1060.0 (g/mL) ML

Lab File ID: W06903.RR

Level: (low/med) LOW

Date Samp/Recv: 11/21/2005 11/23/2005

% Moisture: _____ decanted: (Y/N) N

Date Extracted: 11/28/2005

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 12/06/2005

Injection Volume: 2.00 (uL)

Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 7.0

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/L Q

191-24-2-----	Benzo (ghi) perylene	9	U
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ASP 2000 - METHOD 8270 SEMIVOLATILES
TENTATIVELY IDENTIFIED COMPOUNDS

75/1061

Client No.

MW-14

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) WATER Lab Sample ID: A5D40106

Sample wt/vol: 1060.0 (g/mL) ML Lab File ID: W06903.RR

Level: (low/med) LOW Date Samp/Recv: 11/21/2005 11/23/2005

% Moisture: _____ decanted: (Y/N) N Date Extracted: 11/28/2005

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/06/2005

Injection Volume: 2.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 7.0

Number TICs found: 1

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

CAS NO.	Compound Name	RT	Est. Conc.	Q
1. 112-84-5	(Z)-13-DOCOSENAMIDE	16.38	21	BJN

ASP 2000 - METHOD 8270 SEMIVOLATILES
ANALYSIS DATA SHEET

76/1061

Client No.

MW-1S

Lab Name: STL Buffalo

Contract: _____

Lab Code: RECNY

Case No.: _____

SAS No.: _____

SDG No.: _____

Matrix: (soil/water) WATER

Lab Sample ID: A5D40101

Sample wt/vol: 1060.0 (g/mL) ML

Lab File ID: W06896.RR

Level: (low/med) LOW

Date Samp/Recv: 11/21/2005 11/23/2005

% Moisture: _____ decanted: (Y/N) N

Date Extracted: 11/28/2005

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 12/05/2005

Injection Volume: 2.00 (uL)

Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 7.0

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/L Q

100-52-7	Benzaldehyde	9	U
108-95-2	Phenol	9	U
111-44-4	Bis(2-chloroethyl) ether	9	U
95-57-8	2-Chlorophenol	9	U
95-48-7	2-Methylphenol	9	U
108-60-1	2,2'-Oxybis(1-Chloropropane)	9	U
98-86-2	Acetophenone	9	U
106-44-5	4-Methylphenol	9	U
621-64-7	N-Nitroso-Di-n-propylamine	9	U
67-72-1	Hexachloroethane	9	U
98-95-3	Nitrobenzene	9	U
78-59-1	Isophorone	9	U
88-75-5	2-Nitrophenol	9	U
105-67-9	2,4-Dimethylphenol	9	U
111-91-1	Bis(2-chloroethoxy) methane	9	U
120-83-2	2,4-Dichlorophenol	9	U
91-20-3	Naphthalene	9	U
106-47-8	4-Chloroaniline	9	U
87-68-3	Hexachlorobutadiene	9	U
105-60-2	Caprolactam	9	U
59-50-7	4-Chloro-3-methylphenol	9	U
91-57-6	2-Methylnaphthalene	9	U
77-47-4	Hexachlorocyclopentadiene	24	U
88-06-2	2,4,6-Trichlorophenol	9	U
95-95-4	2,4,5-Trichlorophenol	9	U
92-52-4	Biphenyl	9	U
91-58-7	2-Chloronaphthalene	9	U
88-74-4	2-Nitroaniline	24	U
131-11-3	Dimethyl phthalate	9	U
208-96-8	Acenaphthylene	9	U
606-20-2	2,6-Dinitrotoluene	9	U
99-09-2	3-Nitroaniline	24	U

ASP 2000 - METHOD 8270 SEMIVOLATILES
ANALYSIS DATA SHEET

77/1061

Client No.

Lab Name: STL Buffalo

Contract: _____

MW-1S

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) WATER

Lab Sample ID: A5D40101

Sample wt/vol: 1060.0 (g/mL) ML

Lab File ID: W06896.RR

Level: (low/med) LOW

Date Samp/Recv: 11/21/2005 11/23/2005

% Moisture: _____ decanted: (Y/N) N

Date Extracted: 11/28/2005

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 12/05/2005

Injection Volume: 2.00 (uL)

Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 7.0

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/L Q

83-32-9-----	Acenaphthene	9	U
51-28-5-----	2,4-Dinitrophenol	24	U
100-02-7-----	4-Nitrophenol	24	U
132-64-9-----	Dibenzofuran	9	U
121-14-2-----	2,4-Dinitrotoluene	9	U
84-66-2-----	Diethyl phthalate	9	U
7005-72-3-----	4-Chlorophenyl phenyl ether	9	U
86-73-7-----	Fluorene	9	U
100-01-6-----	4-Nitroaniline	24	U
534-52-1-----	4,6-Dinitro-2-methylphenol	24	U
86-30-6-----	N-nitrosodiphenylamine	9	U
101-55-3-----	4-Bromophenyl phenyl ether	9	U
118-74-1-----	Hexachlorobenzene	9	U
1912-24-9-----	Atrazine	9	U
87-86-5-----	Pentachlorophenol	24	U
85-01-8-----	Phenanthrene	9	U
120-12-7-----	Anthracene	9	U
86-74-8-----	Carbazole	9	U
84-74-2-----	Di-n-butyl phthalate	9	U
206-44-0-----	Fluoranthene	9	U
129-00-0-----	Pyrene	9	U
85-68-7-----	Butyl benzyl phthalate	9	U
91-94-1-----	3,3'-Dichlorobenzidine	9	U
56-55-3-----	Benzo(a)anthracene	9	U
218-01-9-----	Chrysene	9	U
117-81-7-----	Bis(2-ethylhexyl) phthalate	9	U
117-84-0-----	Di-n-octyl phthalate	9	U
205-99-2-----	Benzo(b)fluoranthene	9	U
207-08-9-----	Benzo(k)fluoranthene	9	U
50-32-8-----	Benzo(a)pyrene	9	U
193-39-5-----	Indeno(1,2,3-cd)pyrene	9	U
53-70-3-----	Dibenzo(a,h)anthracene	9	U

ASP 2000 - METHOD 8270 SEMIVOLATILES
ANALYSIS DATA SHEET

78/1061

Client No.

MW-1S

Lab Name: STL Buffalo

Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) WATER

Lab Sample ID: A5D40101

Sample wt/vol: 1060.0 (g/mL) ML

Lab File ID: W06896.RR

Level: (low/med) LOW

Date Samp/Recv: 11/21/2005 11/23/2005

% Moisture: _____ decanted: (Y/N) N

Date Extracted: 11/28/2005

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 12/05/2005

Injection Volume: 2.00 (uL)

Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 7.0

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/L	Q
191-24-2-----	Benzo(ghi)perylene		9	U

ASP 2000 - METHOD 8270 SEMIVOLATILES
TENTATIVELY IDENTIFIED COMPOUNDS

79/1061

Client No.

Lab Name: STL Buffalo

Contract: _____

MW-1S

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) WATER

Lab Sample ID: A5D40101

Sample wt/vol: 1060.0 (g/mL) ML

Lab File ID: W06896.RR

Level: (low/med) LOW

Date Samp/Recv: 11/21/2005 11/23/2005

% Moisture: _____ decanted: (Y/N) N

Date Extracted: 11/28/2005

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 12/05/2005

Injection Volume: 2.00 (uL)

Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 7.0

Number TICs found: 1

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

CAS NO.	Compound Name	RT	Est. Conc.	Q
1. 112-84-5	(Z)-13-DOCOSENAMIDE	16.39	17	BJN

ASP 2000 - METHOD 8270 SEMIVOLATILES
ANALYSIS DATA SHEET

80/1061

Client No.

Lab Name: SIL Buffalo

Contract: _____

MW-2S

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) WATER

Lab Sample ID: A5D40102

Sample wt/vol: 1060.0 (g/mL) ML

Lab File ID: W06897.RR

Level: (low/med) LOW

Date Samp/Recv: 11/21/2005 11/23/2005

% Moisture: _____ decanted: (Y/N) N

Date Extracted: 11/28/2005

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 12/06/2005

Injection Volume: 2.00 (uL)

Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 7.0

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/L Q

100-52-7	Benzaldehyde	9	U
108-95-2	Phenol	9	U
111-44-4	Bis(2-chloroethyl) ether	9	U
95-57-8	2-Chlorophenol	9	U
95-48-7	2-Methylphenol	9	U
108-60-1	2,2'-Oxybis(1-Chloropropane)	9	U
98-86-2	Acetophenone	9	U
106-44-5	4-Methylphenol	9	U
621-64-7	N-Nitroso-Di-n-propylamine	9	U
67-72-1	Hexachloroethane	9	U
98-95-3	Nitrobenzene	9	U
78-59-1	Isophorone	9	U
88-75-5	2-Nitrophenol	9	U
105-67-9	2,4-Dimethylphenol	9	U
111-91-1	Bis(2-chloroethoxy) methane	9	U
120-83-2	2,4-Dichlorophenol	9	U
91-20-3	Naphthalene	9	U
106-47-8	4-Chloroaniline	9	U
87-68-3	Hexachlorobutadiene	9	U
105-60-2	Caprolactam	9	U
59-50-7	4-Chloro-3-methylphenol	9	U
91-57-6	2-Methylnaphthalene	9	U
77-47-4	Hexachlorocyclopentadiene	24	U
88-06-2	2,4,6-Trichlorophenol	9	U
95-95-4	2,4,5-Trichlorophenol	9	U
92-52-4	Biphenyl	9	U
91-58-7	2-Chloronaphthalene	9	U
88-74-4	2-Nitroaniline	24	U
131-11-3	Dimethyl phthalate	9	U
208-96-8	Acenaphthylene	9	U
606-20-2	2,6-Dinitrotoluene	9	U
99-09-2	3-Nitroaniline	24	U

ASP 2000 - METHOD 8270 SEMIVOLATILES
ANALYSIS DATA SHEET

81/1061

Client No.

MW-2S

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) WATER Lab Sample ID: A5D40102

Sample wt/vol: 1060.0 (g/mL) ML Lab File ID: W06897.RR

Level: (low/med) LOW Date Samp/Recv: 11/21/2005 11/23/2005

% Moisture: _____ decanted: (Y/N) N Date Extracted: 11/28/2005

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/06/2005

Injection Volume: 2.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 7.0

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/L Q

83-32-9-----	Acenaphthene	9	U
51-28-5-----	2,4-Dinitrophenol	24	U
100-02-7-----	4-Nitrophenol	24	U
132-64-9-----	Dibenzofuran	9	U
121-14-2-----	2,4-Dinitrotoluene	9	U
84-66-2-----	Diethyl phthalate	9	U
7005-72-3-----	4-Chlorophenyl phenyl ether	9	U
86-73-7-----	Fluorene	9	U
100-01-6-----	4-Nitroaniline	24	U
534-52-1-----	4,6-Dinitro-2-methylphenol	24	U
86-30-6-----	N-nitrosodiphenylamine	9	U
101-55-3-----	4-Bromophenyl phenyl ether	9	U
118-74-1-----	Hexachlorobenzene	9	U
1912-24-9-----	Atrazine	9	U
87-86-5-----	Pentachlorophenol	24	U
85-01-8-----	Phenanthrene	9	U
120-12-7-----	Anthracene	9	U
86-74-8-----	Carbazole	9	U
84-74-2-----	Di-n-butyl phthalate	9	U
206-44-0-----	Fluoranthene	9	U
129-00-0-----	Pyrene	9	U
85-68-7-----	Butyl benzyl phthalate	9	U
91-94-1-----	3,3'-Dichlorobenzidine	9	U
56-55-3-----	Benzo(a)anthracene	9	U
218-01-9-----	Chrysene	9	U
117-81-7-----	Bis(2-ethylhexyl) phthalate	9	U
117-84-0-----	Di-n-octyl phthalate	9	U
205-99-2-----	Benzo(b)fluoranthene	9	U
207-08-9-----	Benzo(k)fluoranthene	9	U
50-32-8-----	Benzo(a)pyrene	9	U
193-39-5-----	Indeno(1,2,3-cd)pyrene	9	U
53-70-3-----	Dibenzo(a,h)anthracene	9	U

ASP 2000 - METHOD 8270 SEMIVOLATILES
ANALYSIS DATA SHEET

82/1061

Client No.

MW-2S

Lab Name: STL Buffalo

Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) WATER

Lab Sample ID: A5D40102

Sample wt/vol: 1060.0 (g/mL) ML

Lab File ID: W06897.RR

Level: (low/med) LOW

Date Samp/Recv: 11/21/2005 11/23/2005

% Moisture: _____ decanted: (Y/N) N

Date Extracted: 11/28/2005

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 12/06/2005

Injection Volume: 2.00 (uL)

Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 7.0

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/L	Q
191-24-2-----	Benzo(ghi)perylene		9	U

ASP 2000 - METHOD 8270 SEMIVOLATILES
TENTATIVELY IDENTIFIED COMPOUNDS

83/1061

Client No.

MW-2S

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) WATER

Lab Sample ID: A5D40102

Sample wt/vol: 1060.0 (g/mL) ML

Lab File ID: W06897.RR

Level: (low/med) LOW

Date Samp/Recv: 11/21/2005 11/23/2005

% Moisture: _____ decanted: (Y/N) N

Date Extracted: 11/28/2005

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 12/06/2005

Injection Volume: 2.00 (uL)

Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 7.0

Number TICs found: 1

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

CAS NO.	Compound Name	RT	Est. Conc.	Q
1. 112-84-5	(Z)-13-DOCOSENAMIDE	16.39	23	BJN

ASP 2000 - METHOD 8270 SEMIVOLATILES
ANALYSIS DATA SHEET

84/1061

Client No.

Lab Name: STL Buffalo

Contract: _____

MW-3

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) WATER

Lab Sample ID: ASD40104

Sample wt/vol: 1060.0 (g/mL) ML

Lab File ID: W06899.RR

Level: (low/med) LOW

Date Samp/Recv: 11/21/2005 11/23/2005

% Moisture: _____ decanted: (Y/N) N

Date Extracted: 11/28/2005

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 12/06/2005

Injection Volume: 2.00 (uL)

Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 7.0

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/L Q

100-52-7-----	Benzaldehyde	9	U
108-95-2-----	Phenol	9	U
111-44-4-----	Bis(2-chloroethyl) ether	9	U
95-57-8-----	2-Chlorophenol	9	U
95-48-7-----	2-Methylphenol	9	U
108-60-1-----	2,2'-Oxybis(1-Chloropropane)	9	U
98-86-2-----	Acetophenone	9	U
106-44-5-----	4-Methylphenol	9	U
621-64-7-----	N-Nitroso-Di-n-propylamine	9	U
67-72-1-----	Hexachloroethane	9	U
98-95-3-----	Nitrobenzene	9	U
78-59-1-----	Isophorone	9	U
88-75-5-----	2-Nitrophenol	9	U
105-67-9-----	2,4-Dimethylphenol	9	U
111-91-1-----	Bis(2-chloroethoxy) methane	9	U
120-83-2-----	2,4-Dichlorophenol	9	U
91-20-3-----	Naphthalene	9	U
106-47-8-----	4-Chloroaniline	9	U
87-68-3-----	Hexachlorobutadiene	9	U
105-60-2-----	Caprolactam	9	U
59-50-7-----	4-Chloro-3-methylphenol	9	U
91-57-6-----	2-Methylnaphthalene	9	U
77-47-4-----	Hexachlorocyclopentadiene	24	U
88-06-2-----	2,4,6-Trichlorophenol	9	U
95-95-4-----	2,4,5-Trichlorophenol	9	U
92-52-4-----	Biphenyl	9	U
91-58-7-----	2-Chloronaphthalene	9	U
88-74-4-----	2-Nitroaniline	24	U
131-11-3-----	Dimethyl phthalate	9	U
208-96-8-----	Acenaphthylene	9	U
606-20-2-----	2,6-Dinitrotoluene	9	U
99-09-2-----	3-Nitroaniline	24	U

ASP 2000 - METHOD 8270 SEMIVOLATILES
ANALYSIS DATA SHEET

85/1061

Client No.

MW-3

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) WATER Lab Sample ID: A5D40104

Sample wt/vol: 1060.0 (g/mL) ML Lab File ID: W06899.RR

Level: (low/med) LOW Date Samp/Recv: 11/21/2005 11/23/2005

% Moisture: _____ decanted: (Y/N) N Date Extracted: 11/28/2005

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/06/2005

Injection Volume: 2.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 7.0

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/L Q

83-32-9-----	Acenaphthene	0.3	J
51-28-5-----	2,4-Dinitrophenol	24	U
100-02-7-----	4-Nitrophenol	24	U
132-64-9-----	Dibenzofuran	9	U
121-14-2-----	2,4-Dinitrotoluene	9	U
84-66-2-----	Diethyl phthalate	9	U
7005-72-3-----	4-Chlorophenyl phenyl ether	9	U
86-73-7-----	Fluorene	9	U
100-01-6-----	4-Nitroaniline	24	U
534-52-1-----	4,6-Dinitro-2-methylphenol	24	U
86-30-6-----	N-nitrosodiphenylamine	9	U
101-55-3-----	4-Bromophenyl phenyl ether	9	U
118-74-1-----	Hexachlorobenzene	9	U
1912-24-9-----	Atrazine	9	U
87-86-5-----	Pentachlorophenol	24	U
85-01-8-----	Phenanthrene	9	U
120-12-7-----	Anthracene	9	U
86-74-8-----	Carbazole	9	U
84-74-2-----	Di-n-butyl phthalate	9	U
206-44-0-----	Fluoranthene	9	U
129-00-0-----	Pyrene	9	U
85-68-7-----	Butyl benzyl phthalate	9	U
91-94-1-----	3,3'-Dichlorobenzidine	9	U
56-55-3-----	Benzo(a)anthracene	9	U
218-01-9-----	Chrysene	9	U
117-81-7-----	Bis(2-ethylhexyl) phthalate	9	U
117-84-0-----	Di-n-octyl phthalate	9	U
205-99-2-----	Benzo(b)fluoranthene	9	U
207-08-9-----	Benzo(k)fluoranthene	9	U
50-32-8-----	Benzo(a)pyrene	9	U
193-39-5-----	Indeno(1,2,3-cd)pyrene	9	U
53-70-3-----	Dibenzo(a,h)anthracene	9	U

ASP 2000 - METHOD 8270 SEMIVOLATILES
ANALYSIS DATA SHEET

86/1061

Client No.

MW-3

Lab Name: STL Buffalo Contract: _____

Lab Code: RECONY Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) WATER Lab Sample ID: ASD40104

Sample wt/vol: 1060.0 (g/mL) ML Lab File ID: W06899.RR

Level: (low/med) LOW Date Samp/Recv: 11/21/2005 11/23/2005

% Moisture: _____ decanted: (Y/N) N Date Extracted: 11/28/2005

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/06/2005

Injection Volume: 2.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 7.0

CONCENTRATION UNITS:

(ug/L or ug/Kg) UG/L Q

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/L	Q
191-24-2-----	Benzo (ghi) perylene		9	U

ASP 2000 - METHOD 8270 SEMIVOLATILES
TENTATIVELY IDENTIFIED COMPOUNDS

87/1061

Client No.

Lab Name: STL Buffalo Contract: _____

MW-3

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) WATER

Lab Sample ID: A5D40104

Sample wt/vol: 1060.0 (g/mL) ML

Lab File ID: W06899.RR

Level: (low/med) LOW

Date Samp/Recv: 11/21/2005 11/23/2005

% Moisture: _____ decanted: (Y/N) N

Date Extracted: 11/28/2005

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 12/06/2005

Injection Volume: 2.00 (uL)

Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 7.0

Number TICs found: 18

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

CAS NO.	Compound Name	RT	Est. Conc.	Q
1.	UNKNOWN	8.73	2	J
2.	UNKNOWN	8.86	2	J
3.	UNKNOWN	8.96	4	J
4.	UNKNOWN	9.17	4	J
5.	UNKNOWN	9.26	4	J
6.	UNKNOWN	9.52	2	J
7.	UNKNOWN	9.62	3	J
8.	UNKNOWN	9.73	2	J
9.	UNKNOWN	10.08	2	J
10.	UNKNOWN	10.15	2	J
11.	UNKNOWN	10.19	6	J
12.	UNKNOWN	10.51	3	J
13.	UNKNOWN	10.61	2	J
14.	UNKNOWN	11.86	4	J
15. 111-06-8	BUTYL ESTER HEXADECANOIC ACI	14.60	4	JN
16.	UNKNOWN	14.64	2	J
17. 123-95-5	BUTYL ESTER OCTADECANOIC ACI	15.24	3	JN
18. 112-84-5	(Z)-13-DOCOSENAMIDE	16.38	25	BJN

ASP 2000 - METHOD 8270 SEMIVOLATILES
ANALYSIS DATA SHEET

88/1061

Client No.

MW-3S

Lab Name: STL Buffalo

Contract: _____

Lab Code: RECNY

Case No.: _____

SAS No.: _____

SDG No.: _____

Matrix: (soil/water) WATER

Lab Sample ID: A5D40103

Sample wt/vol: 1060.0 (g/mL) ML

Lab File ID: W06898.RR

Level: (low/med) LOW

Date Samp/Recv: 11/21/2005 11/23/2005

% Moisture: _____ decanted: (Y/N) N

Date Extracted: 11/28/2005

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 12/06/2005

Injection Volume: 2.00 (uL)

Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 7.0

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/L	Q
100-52-7	Benzaldehyde	9	U	
108-95-2	Phenol	9	U	
111-44-4	Bis(2-chloroethyl) ether	9	U	
95-57-8	2-Chlorophenol	9	U	
95-48-7	2-Methylphenol	9	U	
108-60-1	2,2'-Oxybis(1-Chloropropane)	9	U	
98-86-2	Acetophenone	9	U	
106-44-5	4-Methylphenol	9	U	
621-64-7	N-Nitroso-Di-n-propylamine	9	U	
67-72-1	Hexachloroethane	9	U	
98-95-3	Nitrobenzene	9	U	
78-59-1	Isophorone	9	U	
88-75-5	2-Nitrophenol	9	U	
105-67-9	2,4-Dimethylphenol	9	U	
111-91-1	Bis(2-chloroethoxy) methane	9	U	
120-83-2	2,4-Dichlorophenol	9	U	
91-20-3	Naphthalene	9	U	
106-47-8	4-Chloroaniline	9	U	
87-68-3	Hexachlorobutadiene	9	U	
105-60-2	Caprolactam	9	U	
59-50-7	4-Chloro-3-methylphenol	9	U	
91-57-6	2-Methylnaphthalene	9	U	
77-47-4	Hexachlorocyclopentadiene	24	U	
88-06-2	2,4,6-Trichlorophenol	9	U	
95-95-4	2,4,5-Trichlorophenol	9	U	
92-52-4	Biphenyl	9	U	
91-58-7	2-Chloronaphthalene	9	U	
88-74-4	2-Nitroaniline	24	U	
131-11-3	Dimethyl phthalate	9	U	
208-96-8	Acenaphthylene	9	U	
606-20-2	2,6-Dinitrotoluene	9	U	
99-09-2	3-Nitroaniline	24	U	

ASP 2000 - METHOD 8270 SEMIVOLATILES
ANALYSIS DATA SHEET

Client No.

MW-3S

Lab Name: STL Buffalo

Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____Matrix: (soil/water) WATERLab Sample ID: A5D40103Sample wt/vol: 1060.0 (g/mL) MLLab File ID: W06898.RRLevel: (low/med) LOWDate Samp/Recv: 11/21/2005 11/23/2005% Moisture: _____ decanted: (Y/N) NDate Extracted: 11/28/2005Concentrated Extract Volume: 1000 (uL)Date Analyzed: 12/06/2005Injection Volume: 2.00 (uL)Dilution Factor: 1.00GPC Cleanup: (Y/N) N pH: 7.0

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/L Q

83-32-9-----	Acenaphthene	9	U
51-28-5-----	2,4-Dinitrophenol	24	U
100-02-7-----	4-Nitrophenol	24	U
132-64-9-----	Dibenzofuran	9	U
121-14-2-----	2,4-Dinitrotoluene	9	U
84-66-2-----	Diethyl phthalate	9	U
7005-72-3-----	4-Chlorophenyl phenyl ether	9	U
86-73-7-----	Fluorene	9	U
100-01-6-----	4-Nitroaniline	24	U
534-52-1-----	4,6-Dinitro-2-methylphenol	24	U
86-30-6-----	N-nitrosodiphenylamine	9	U
101-55-3-----	4-Bromophenyl phenyl ether	9	U
118-74-1-----	Hexachlorobenzene	9	U
1912-24-9----	Atrazine	9	U
87-86-5-----	Pentachlorophenol	24	U
85-01-8-----	Phenanthrene	9	U
120-12-7-----	Anthracene	9	U
86-74-8-----	Carbazole	9	U
84-74-2-----	Di-n-butyl phthalate	9	U
206-44-0-----	Fluoranthene	9	U
129-00-0-----	Pyrene	9	U
85-68-7-----	Butyl benzyl phthalate	9	U
91-94-1-----	3,3'-Dichlorobenzidine	9	U
56-55-3-----	Benzo (a) anthracene	9	U
218-01-9-----	Chrysene	9	U
117-81-7-----	Bis (2-ethylhexyl) phthalate	9	U
117-84-0-----	Di-n-octyl phthalate	9	U
205-99-2-----	Benzo (b) fluoranthene	9	U
207-08-9-----	Benzo (k) fluoranthene	9	U
50-32-8-----	Benzo (a) pyrene	9	U
193-39-5-----	Indeno (1,2,3-cd) pyrene	9	U
53-70-3-----	Dibenzo (a,h) anthracene	9	U

ASP 2000 - METHOD 8270 SEMIVOLATILES
ANALYSIS DATA SHEET

90/1061

Client No.

MW-3S

Lab Name: STL Buffalo

Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) WATER

Lab Sample ID: ASD40103

Sample wt/vol: 1060.0 (g/mL) ML

Lab File ID: W06898.RR

Level: (low/med) LOW

Date Samp/Recv: 11/21/2005 11/23/2005

% Moisture: _____ decanted: (Y/N) N

Date Extracted: 11/28/2005

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 12/06/2005

Injection Volume: 2.00 (uL)

Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 7.0

CONCENTRATION UNITS:

(ug/L or ug/Kg) UG/L Q

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg)	<u>UG/L</u>	<u>Q</u>
191-24-2-----	Benzo (ghi) perylene		9	U

ASP 2000 - METHOD 8270 SEMIVOLATILES
TENTATIVELY IDENTIFIED COMPOUNDS

91/1061

Client No.

MW-3S

Lab Name: STL Buffalo

Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) WATER

Lab Sample ID: A5D40103

Sample wt/vol: 1060.0 (g/mL) ML

Lab File ID: W06898.RR

Level: (low/med) LOW

Date Samp/Recv: 11/21/2005 11/23/2005

% Moisture: _____ decanted: (Y/N) N

Date Extracted: 11/28/2005

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 12/06/2005

Injection Volume: 2.00 (uL)

Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 7.0

Number TICs found: 3

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

CAS NO.	Compound Name	RT	Est. Conc.	Q
1.	UNKNOWN AMIDE DERIVATIVE	11.60	3	J
2. 88-19-7	2-METHYL BENZENESULFONAMIDE	11.99	22	JN
3.	UNKNOWN AMIDE DERIVATIVE	16.38	18	BJ

ASP 2000 - METHOD 8270 SEMIVOLATILES
ANALYSIS DATA SHEET

92/1061

Client No.

Lab Name: STL Buffalo

Contract: _____

MW-5

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) WATER

Lab Sample ID: A5D40110

Sample wt/vol: 1060.0 (g/mL) ML

Lab File ID: W06907.RR

Level: (low/med) LOW

Date Samp/Recv: 11/22/2005 11/23/2005

% Moisture: _____ decanted: (Y/N) N

Date Extracted: 11/28/2005

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 12/06/2005

Injection Volume: 2.00 (uL)

Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 7.0

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/L	Q
100-52-7	Benzaldehyde	9	U	
108-95-2	Phenol	9	U	
111-44-4	Bis(2-chloroethyl) ether	9	U	
95-57-8	2-Chlorophenol	9	U	
95-48-7	2-Methylphenol	9	U	
108-60-1	2,2'-Oxybis(1-Chloropropane)	9	U	
98-86-2	Acetophenone	9	U	
106-44-5	4-Methylphenol	9	U	
621-64-7	N-Nitroso-Di-n-propylamine	9	U	
67-72-1	Hexachloroethane	9	U	
98-95-3	Nitrobenzene	9	U	
78-59-1	Isophorone	9	U	
88-75-5	2-Nitrophenol	9	U	
105-67-9	2,4-Dimethylphenol	9	U	
111-91-1	Bis(2-chloroethoxy) methane	9	U	
120-83-2	2,4-Dichlorophenol	9	U	
91-20-3	Naphthalene	9	U	
106-47-8	4-Chloroaniline	9	U	
87-68-3	Hexachlorobutadiene	9	U	
105-60-2	Caprolactam	9	U	
59-50-7	4-Chloro-3-methylphenol	9	U	
91-57-6	2-Methylnaphthalene	9	U	
77-47-4	Hexachlorocyclopentadiene	24	U	
88-06-2	2,4,6-Trichlorophenol	9	U	
95-95-4	2,4,5-Trichlorophenol	9	U	
92-52-4	Biphenyl	9	U	
91-58-7	2-Chloronaphthalene	9	U	
88-74-4	2-Nitroaniline	24	U	
131-11-3	Dimethyl phthalate	9	U	
208-96-8	Acenaphthylene	9	U	
606-20-2	2,6-Dinitrotoluene	9	U	
99-09-2	3-Nitroaniline	24	U	

ASP 2000 - METHOD 8270 SEMIVOLATILES
ANALYSIS DATA SHEET

93/1061

Client No.

Lab Name: STL Buffalo

Contract: _____

MW-5

Lab Code: RECNV Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) WATER

Lab Sample ID: A5D40110

Sample wt/vol: 1060.0 (g/mL) ML

Lab File ID: W06907.RR

Level: (low/med) LOW

Date Samp/Recv: 11/22/2005 11/23/2005

% Moisture: _____ decanted: (Y/N) N

Date Extracted: 11/28/2005

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 12/06/2005

Injection Volume: 2.00 (uL)

Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 7.0

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/L Q

83-32-9	Acenaphthene	9	U
51-28-5	2,4-Dinitrophenol	24	U
100-02-7	4-Nitrophenol	24	U
132-64-9	Dibenzofuran	9	U
121-14-2	2,4-Dinitrotoluene	9	U
84-66-2	Diethyl phthalate	9	U
7005-72-3	4-Chlorophenyl phenyl ether	9	U
86-73-7	Fluorene	9	U
100-01-6	4-Nitroaniline	24	U
534-52-1	4,6-Dinitro-2-methylphenol	24	U
86-30-6	N-nitrosodiphenylamine	9	U
101-55-3	4-Bromophenyl phenyl ether	9	U
118-74-1	Hexachlorobenzene	9	U
1912-24-9	Atrazine	9	U
87-86-5	Pentachlorophenol	24	U
85-01-8	Phenanthrene	0.3	J
120-12-7	Anthracene	9	U
86-74-8	Carbazole	9	U
84-74-2	Di-n-butyl phthalate	9	U
206-44-0	Fluoranthene	9	U
129-00-0	Pyrene	9	U
85-68-7	Butyl benzyl phthalate	9	U
91-94-1	3,3'-Dichlorobenzidine	9	U
56-55-3	Benzo (a) anthracene	9	U
218-01-9	Chrysene	9	U
117-81-7	Bis (2-ethylhexyl) phthalate	9	U
117-84-0	Di-n-octyl phthalate	9	U
205-99-2	Benzo (b) fluoranthene	9	U
207-08-9	Benzo (k) fluoranthene	9	U
50-32-8	Benzo (a) pyrene	9	U
193-39-5	Indeno (1,2,3-cd) pyrene	9	U
53-70-3	Dibenzo (a,h) anthracene	9	U

ASP 2000 - METHOD 8270 SEMIVOLATILES
ANALYSIS DATA SHEET

94/1061

Client No.

MW-5

Lab Name: STL Buffalo

Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) WATER

Lab Sample ID: A5D40110

Sample wt/vol: 1060.0 (g/mL) ML

Lab File ID: W06907.RR

Level: (low/med) LOW

Date Samp/Recv: 11/22/2005 11/23/2005

% Moisture: _____ decanted: (Y/N) N

Date Extracted: 11/28/2005

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 12/06/2005

Injection Volume: 2.00 (uL)

Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 7.0

CONCENTRATION UNITS:

CAS NO. COMPOUND

(ug/L or ug/Kg) UG/L

Q

191-24-2-----Benzo(ghi)perylene

9

U

ASP 2000 - METHOD 8270 SEMIVOLATILES
TENTATIVELY IDENTIFIED COMPOUNDS

95/1061

Client No.

MW-5

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) WATER Lab Sample ID: A5D40110

Sample wt/vol: 1060.0 (g/mL) ML Lab File ID: W06907.RR

Level: (low/med) LOW Date Samp/Recv: 11/22/2005 11/23/2005

% Moisture: _____ decanted: (Y/N) N Date Extracted: 11/28/2005

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/06/2005

Injection Volume: 2.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 7.0

Number TICs found: 1

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

CAS NO.	Compound Name	RT	Est. Conc.	Q
1. 112-84-5	(Z)-13-DOCOSENAMIDE	16.39	32	BJN

ASP 2000 - METHOD 8270 SEMIVOLATILES
ANALYSIS DATA SHEET

96/1061

Client No.

MW-7

Lab Name: STL Buffalo Contract: _____

Lab Code: REONY Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) WATER

Lab Sample ID: A5D40105

Sample wt/vol: 1060.0 (g/mL) ML

Lab File ID: W06902.RR

Level: (low/med) LOW

Date Samp/Recv: 11/21/2005 11/23/2005

% Moisture: _____ decanted: (Y/N) N

Date Extracted: 11/28/2005

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 12/06/2005

Injection Volume: 2.00 (uL)

Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 7.0

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/L Q

100-52-7	Benzaldehyde	9	U
108-95-2	Phenol	9	U
111-44-4	Bis(2-chloroethyl) ether	9	U
95-57-8	2-Chlorophenol	9	U
95-48-7	2-Methylphenol	9	U
108-60-1	2,2'-Oxybis(1-Chloropropane)	9	U
98-86-2	Acetophenone	9	U
106-44-5	4-Methylphenol	9	U
621-64-7	N-Nitroso-Di-n-propylamine	9	U
67-72-1	Hexachloroethane	9	U
98-95-3	Nitrobenzene	9	U
78-59-1	Isophorone	9	U
88-75-5	2-Nitrophenol	9	U
105-67-9	2,4-Dimethylphenol	9	U
111-91-1	Bis(2-chloroethoxy) methane	9	U
120-83-2	2,4-Dichlorophenol	9	U
91-20-3	Naphthalene	9	U
106-47-8	4-Chloroaniline	9	U
87-68-3	Hexachlorobutadiene	9	U
105-60-2	Caprolactam	9	U
59-50-7	4-Chloro-3-methylphenol	9	U
91-57-6	2-Methylnaphthalene	9	U
77-47-4	Hexachlorocyclopentadiene	24	U
88-06-2	2,4,6-Trichlorophenol	9	U
95-95-4	2,4,5-Trichlorophenol	9	U
92-52-4	Biphenyl	9	U
91-58-7	2-Chloronaphthalene	9	U
88-74-4	2-Nitroaniline	24	U
131-11-3	Dimethyl phthalate	9	U
208-96-8	Acenaphthylene	9	U
606-20-2	2,6-Dinitrotoluene	9	U
99-09-2	3-Nitroaniline	24	U

ASP 2000 - METHOD 8270 SEMIVOLATILES
ANALYSIS DATA SHEET

97/1061

Client No.

MW-7

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) WATER Lab Sample ID: A5D40105

Sample wt/vol: 1060.0 (g/mL) ML Lab File ID: W06902.RR

Level: (low/med) LOW Date Samp/Recv: 11/21/2005 11/23/2005

% Moisture: _____ decanted: (Y/N) N Date Extracted: 11/28/2005

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/06/2005

Injection Volume: 2.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 7.0

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/L Q

83-32-9-----	Acenaphthene	9	U
51-28-5-----	2,4-Dinitrophenol	24	U
100-02-7-----	4-Nitrophenol	24	U
132-64-9-----	Dibenzofuran	9	U
121-14-2-----	2,4-Dinitrotoluene	9	U
84-66-2-----	Diethyl phthalate	9	U
7005-72-3-----	4-Chlorophenyl phenyl ether	9	U
86-73-7-----	Fluorene	9	U
100-01-6-----	4-Nitroaniline	24	U
534-52-1-----	4,6-Dinitro-2-methylphenol	24	U
86-30-6-----	N-nitrosodiphenylamine	9	U
101-55-3-----	4-Bromophenyl phenyl ether	9	U
118-74-1-----	Hexachlorobenzene	9	U
1912-24-9-----	Atrazine	9	U
87-86-5-----	Pentachlorophenol	24	U
85-01-8-----	Phenanthrene	9	U
120-12-7-----	Anthracene	9	U
86-74-8-----	Carbazole	9	U
84-74-2-----	Di-n-butyl phthalate	9	U
206-44-0-----	Fluoranthene	9	U
129-00-0-----	Pyrene	9	U
85-68-7-----	Butyl benzyl phthalate	9	U
91-94-1-----	3,3'-Dichlorobenzidine	9	U
56-55-3-----	Benzo(a)anthracene	9	U
218-01-9-----	Chrysene	9	U
117-81-7-----	Bis(2-ethylhexyl) phthalate	9	U
117-84-0-----	Di-n-octyl phthalate	9	U
205-99-2-----	Benzo(b)fluoranthene	9	U
207-08-9-----	Benzo(k)fluoranthene	9	U
50-32-8-----	Benzo(a)pyrene	9	U
193-39-5-----	Indeno(1,2,3-cd)pyrene	9	U
53-70-3-----	Dibenzo(a,h)anthracene	9	U

ASP 2000 - METHOD 8270 SEMIVOLATILES
ANALYSIS DATA SHEET

98/1061

Client No.

MW-7

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) WATER Lab Sample ID: ASD40105

Sample wt/vol: 1060.0 (g/mL) ML Lab File ID: W06902.RR

Level: (low/med) LOW Date Samp/Recv: 11/21/2005 11/23/2005

% Moisture: _____ decanted: (Y/N) N Date Extracted: 11/28/2005

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/06/2005

Injection Volume: 2.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 7.0

CONCENTRATION UNITS:

(ug/L or ug/Kg) UG/L Q

CAS NO.	COMPOUND	UG/L	Q
191-24-2-----	Benzo (ghi) perylene	9	U

ASP 2000 - METHOD 8270 SEMIVOLATILES
TENTATIVELY IDENTIFIED COMPOUNDS

99/1061

Client No.

MW-7

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNV Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) WATER Lab Sample ID: A5D40105

Sample wt/vol: 1060.0 (g/mL) ML Lab File ID: W06902.RR

Level: (low/med) LOW Date Samp/Recv: 11/21/2005 11/23/2005

% Moisture: _____ decanted: (Y/N) N Date Extracted: 11/28/2005

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/06/2005

Injection Volume: 2.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 7.0

Number TICs found: 3 CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

CAS NO.	Compound Name	RT	Est. Conc.	Q
1. 111-06-8	BUTYL ESTER HEXADECANOIC ACI	14.59	15	JN
2. 123-95-5	BUTYL ESTER OCTADECANOIC ACI	15.24	15	JN
3. 112-84-5	(Z)-13-DOCOSENAMIDE	16.37	19	BJN

STL BUFFALO

Delta Environmental Consultants, Inc.

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INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

MW-1

Contract: CN04-015

Lab Code: STLBFO

Case No.:

SAS No.:

SDG NO.: A05-D401

Matrix (soil/water): WATER

Lab Sample ID: AD567958

Level (low/med): LOW

Date Received: 11/23/2005

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7440-43-9	Cadmium	0.39	U		P
7440-47-3	Chromium	2.7	B		P
7439-92-1	Lead	2.4	B		P
7782-49-2	Selenium	6.7	U		P
7440-66-6	Zinc	7.5	B		P

Color Before: COLORLESS

Clarity Before: CLEAR

Texture: NONE

Color After: COLORLESS

Clarity After: CLEAR

Artifacts:

Comments:

STL BUFFALO

Delta Environmental Consultants, Inc.

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INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

MW-10

Contract: CN04-015

Lab Code: STLBFO

Case No.:

SAS No.:

SDG NO.: A05-D401

Matrix (soil/water): WATER

Lab Sample ID: AD567956

Level (low/med): LOW

Date Received: 11/23/2005

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7440-43-9	Cadmium	0.39	U		P
7440-47-3	Chromium	3.5	B		P
7439-92-1	Lead	1.8	U		P
7782-49-2	Selenium	6.7	U		P
7440-66-6	Zinc	143			P

Color Before: COLORLESS

Clarity Before: CLEAR

Texture: NONE

Color After: COLORLESS

Clarity After: CLEAR

Artifacts:

Comments:

STL BUFFALO

Delta Environmental Consultants, Inc.

-1-

INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

MW-13

Contract: CN04-015

Lab Code: STLBFO

Case No.:

SAS No.:

SDG NO.: A05-D401

Matrix (soil/water): WATER

Lab Sample ID: AD567954

Level (low/med): LOW

Date Received: 11/23/2005

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7440-43-9	Cadmium	0.39	U		P
7440-47-3	Chromium	0.58	U		P
7439-92-1	Lead	3.4			P
7782-49-2	Selenium	6.7	U		P
7440-66-6	Zinc	4.8	B		P

Color Before: COLORLESS

Clarity Before: CLEAR

Texture: NONE

Color After: COLORLESS

Clarity After: CLEAR

Artifacts:

Comments:

STL BUFFALO

Delta Environmental Consultants, Inc.

-1-

INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

MW-13C

Contract: CN04-015

Lab Code: STLBFO

Case No.:

SAS No.:

SDG NO.: A05-D401

Matrix (soil/water): WATER

Lab Sample ID: AD567955

Level (low/med): LOW

Date Received: 11/23/2005

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7440-43-9	Cadmium	0.39	U		P
7440-47-3	Chromium	0.58	U		P
7439-92-1	Lead	6.6			P
7782-49-2	Selenium	6.7	U		P
7440-66-6	Zinc	8.7	B		P

Color Before: COLORLESS

Clarity Before: CLEAR

Texture: NONE

Color After: COLORLESS

Clarity After: CLEAR

Artifacts:

Comments:

STL BUFFALO

Delta Environmental Consultants, Inc.

-1-

INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

MW-14

Contract: CN04-015

Lab Code: STLBFO

Case No.:

SAS No.:

SDG NO.: A05-D401

Matrix (soil/water): WATER

Lab Sample ID: AD567953

Level (low/med): LOW

Date Received: 11/23/2005

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7440-43-9	Cadmium	0.39	U		P
7440-47-3	Chromium	0.58	U		P
7439-92-1	Lead	1.8	U		P
7782-49-2	Selenium	6.7	U		P
7440-66-6	Zinc	1.6	B		P

Color Before: COLORLESS

Clarity Before: CLEAR

Texture: NONE

Color After: COLORLESS

Clarity After: CLEAR

Artifacts:

Comments:

STL BUFFALO

Delta Environmental Consultants, Inc.

-1-

INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

MW-1S

Contract: CN04-015Lab Code: STLBFLO

Case No.: _____

SAS No.: _____

SDG No.: A05-D401Matrix (soil/water): WATERLab Sample ID: AD567948Level (low/med): LOWDate Received: 11/23/2005Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7440-43-9	Cadmium	0.39	U		P
7440-47-3	Chromium	0.58	U		P
7439-92-1	Lead	1.8	U		P
7782-49-2	Selenium	6.7	U		P
7440-66-6	Zinc	4.2	B		P

Color Before: COLORLESSClarity Before: CLEARTexture: NONEColor After: COLORLESSClarity After: CLEAR

Artifacts: _____

Comments: _____

STL BUFFALO

Delta Environmental Consultants, Inc.

-1-

INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

MW-2S

Contract: CN04-015

Lab Code: STLBFLO

Case No.: _____

SAS No.: _____

SDG NO.: A05-D401

Matrix (soil/water): WATER

Lab Sample ID: AD567949

Level (low/med): LOW

Date Received: 11/23/2005

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7440-43-9	Cadmium	0.42	B		P
7440-47-3	Chromium	2.1	B		P
7439-92-1	Lead	1.8	U		P
7782-49-2	Selenium	6.7	U		P
7440-66-6	Zinc	1.2	U		P

Color Before: COLORLESS

Clarity Before: CLEAR

Texture: NONE

Color After: COLORLESS

Clarity After: CLEAR

Artifacts: _____

Comments: _____

STL BUFFALO

Delta Environmental Consultants, Inc.

-1-

INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

MW-3

Contract: CN04-015

Lab Code: STLBFL0

Case No.:

SAS No.:

SDG NO.: A05-D401

Matrix (soil/water): WATER

Lab Sample ID: AD567951

Level (low/med): LOW

Date Received: 11/23/2005

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7440-43-9	Cadmium	0.39	U		P
7440-47-3	Chromium	0.88	B		P
7439-92-1	Lead	7.9			P
7782-49-2	Selenium	6.7	U		P
7440-66-6	Zinc	82.3			P

Color Before: COLORLESS

Clarity Before: CLEAR

Texture: NONE

Color After: COLORLESS

Clarity After: CLEAR

Artifacts:

Comments:

STL BUFFALO

Delta Environmental Consultants, Inc.

-1-

INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

MW-3S

Contract: CN04-015

Lab Code: STLBFO

Case No.:

SAS No.:

SDG NO.: A05-D401

Matrix (soil/water): WATER

Lab Sample ID: AD567950

Level (low/med): LOW

Date Received: 11/23/2005

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7440-43-9	Cadmium	0.39	U		P
7440-47-3	Chromium	0.58	U		P
7439-92-1	Lead	1.8	U		P
7782-49-2	Selenium	6.7	U		P
7440-66-6	Zinc	2.7	B		P

Color Before: COLORLESS

Clarity Before: CLEAR

Texture: NONE

Color After: COLORLESS

Clarity After: CLEAR

Artifacts:

Comments:

STL BUFFALO

Delta Environmental Consultants, Inc.

-1-

INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

MW-5

Contract: CN04-015

Lab Code: STLBFO

Case No.:

SAS No.:

SDG NO.: A05-D401

Matrix (soil/water): WATER

Lab Sample ID: AD567957

Level (low/med): LOW

Date Received: 11/23/2005

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7440-43-9	Cadmium	0.39	U		P
7440-47-3	Chromium	2.1	B		P
7439-92-1	Lead	1.8	B		P
7782-49-2	Selenium	6.7	U		P
7440-66-6	Zinc	11.9	B		P

Color Before: COLORLESS

Clarity Before: CLEAR

Texture: NONE

Color After: COLORLESS

Clarity After: CLEAR

Artifacts:

Comments:

STL BUFFALO

Delta Environmental Consultants, Inc.

-1-

INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

MW-7

Contract: CN04-015

Lab Code: STLBFLO

Case No.: _____

SAS No.: _____

SDG NO.: A05-D401

Matrix (soil/water): WATER

Lab Sample ID: AD567952

Level (low/med): LOW

Date Received: 11/23/2005

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7440-43-9	Cadmium	0.39	U		P
7440-47-3	Chromium	0.58	U		P
7439-92-1	Lead	1.8	U		P
7782-49-2	Selenium	6.7	U		P
7440-66-6	Zinc	4.8	B		P

Color Before: COLORLESS

Clarity Before: CLEAR

Texture: NONE

Color After: COLORLESS

Clarity After: CLEAR

Artifacts: _____

Comments: _____

Wet Chemistry Analysis

111/1061

Client Sample No.

MW-1

Lab Name: STL Buffalo

Contract: _____

Lab Code: RECNY

Case No.: _____

SAS No.: _____

SDG No.: _____

Matrix (soil/water): WATERLab Sample ID: A5D40111% Solids: 0.0Date Samp/Recv: 11/22/2005 11/23/2005

Parameter Name	Units of Measure	Result	C	Q	M	Method Number	Analyzed Date
Total Recoverable Phenolics	MG/L	0.017				420.2	11/25/2005

Comments:

Wet Chemistry Analysis

112/1061

Client Sample No.

MW-10

Lab Name: STL Buffalo

Contract: _____

Lab Code: RECNY

Case No.: _____

SAS No.: _____

SDG No.: _____

Matrix (soil/water): WATERLab Sample ID: A5D40109% Solids: 0.0Date Samp/Recv: 11/22/2005 11/23/2005

Parameter Name	Units of Measure	Result	C	Q	M	Method Number	Analyzed Date
Total Recoverable Phenolics	MG/L	0.010	U			420.2	11/25/2005

Comments:

Wet Chemistry Analysis

113/1061

Client Sample No.

MW-13

Lab Name: STL Buffalo

Contract: _____

Lab Code: RECNY

Case No.: _____

SAS No.: _____

SDG No.: _____

Matrix (soil/water): WATERLab Sample ID: A5D40107% Solids: 0.0Date Samp/Recv: 11/22/2005 11/23/2005

Parameter Name	Units of Measure	Result	C	Q	M	Method Number	Analyzed Date
Total Recoverable Phenolics _____	MG/L	0.010	U			420.2	11/25/2005

Comments:

Wet Chemistry Analysis

114/1061

Client Sample No.

Lab Name: STL Buffalo

Contract: _____

MW-13C

Lab Code: RECNY

Case No.: _____

SAS No.: _____

SDG No.: _____

Matrix (soil/water): WATERLab Sample ID: A5D40108% Solids: 0.0Date Samp/Recv: 11/22/2005 11/23/2005

Parameter Name	Units of Measure	Result	C	Q	M	Method Number	Analyzed Date
Total Recoverable Phenolics	MG/L	0.010	U			420.2	11/25/2005

Comments:

Wet Chemistry Analysis

119/1061

Client Sample No.

Lab Name: STL Buffalo

Contract: _____

MW-3S

Lab Code: RECNY

Case No.: _____

SAS No.: _____

SDG No.: _____

Matrix (soil/water): WATERLab Sample ID: A5D40103% Solids: 0.0Date Samp/Recv: 11/21/2005 11/23/2005

Parameter Name	Units of Measure	Result	C	Q	M	Method Number	Analyzed Date
Total Recoverable Phenolics _____	MG/L	0.010	U			420.2	11/25/2005

Comments:

Wet Chemistry Analysis

120/1061

Client Sample No.

MW-5

Lab Name: STL Buffalo

Contract: _____

Lab Code: RECNV

Case No.: _____

SAS No.: _____

SDG No.: _____

Matrix (soil/water): WATERLab Sample ID: A5D40110% Solids: 0.0Date Samp/Recv: 11/22/2005 11/23/2005

Parameter Name	Units of Measure	Result	C	Q	M	Method Number	Analyzed Date
Total Recoverable Phenolics	MG/L	0.010	U			420.2	11/25/2005

Comments:

Wet Chemistry Analysis

121/1061

Client Sample No.

Lab Name: STL Buffalo

Contract: _____

MW-7

Lab Code: RECNY

Case No.: _____

SAS No.: _____

SDG No.: _____

Matrix (soil/water): WATERLab Sample ID: A5D40105% Solids: 0.0Date Samp/Recv: 11/21/2005 11/23/2005

Parameter Name	Units of Measure	Result	C	Q	M	Method Number	Analyzed Date
Total Recoverable Phenolics _____	MG/L	0.010	U			420.2	11/25/2005

Comments:

Chain Of Custody Documentation

Chain of Custody Record

SEVERN
TRENT

STL

Severn Trent Laboratories, Inc.

STL-4124 (0901)

Client Delta Environmental Consultants		Project Manager Mark Schumacher		Date 11/21/05	Chain of Custody Number 214178
Address 104 Jamesville Rd		Telephone Number (Area Code)/Fax Number 315 445-0224/315-445-0793		Lab Number	Page 3 of 3

City Syracuse	State NY	Zip Code 13214	Site Contact Same	Lab Contact Brian Fischer	Analysis (Attach list if more space is needed)
-------------------------	--------------------	--------------------------	-----------------------------	-------------------------------------	------------------------------------------------

Project Name and Location (State) Cornex Crown Heights, NY	Carrier/Waybill Number	Special Instructions/ Conditions of Receipt
----------------------------------------------------------------------	------------------------	------------------------------------------------

Contract/Purchase Order/Quote No. 0310025P	Matrix	Containers & Preservatives
------------------------------------------------------	--------	----------------------------

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Air	Aqueous	Sed.	Soil	Unpres.	H2SO4	HNO3	HCl	NaOH	ZnAc/NaOH	TCL Volatiles 8200	8270 SVOCs	5 metals 6010	420.2 plus
MW-15	11/21/05	11:15	Y				X	X	X	X			X	X	X	X
MW-25	↓	10:50	Y				X	X	X	X			X	X	X	X
MW-35	↓	12:45	Y				X	X	X	X			X	X	X	X
MW-3	11/21/05	1:50	X				X	X	X	X			X	X	X	X
MW-7	↓	16:30	X				X	X	X	X			X	X	X	X
MW-14	↓	16:15	X				X	X	X	X			X	X	X	X
MW-13	11/22/05	8:40	X				X	X	X	X			X	X	X	X
MW-13C	↓	8:40	V				X	X	X	X			X	X	X	X
MW-10	↓	10:60	X				X	X	X	X			X	X	X	X
MW-5	↓	11:30	X				X	X	X	X			X	X	X	X
MW-1	↓	11:30	X				X	X	X	X			X	X	X	X

Possible Hazard Identification <input type="checkbox"/> Non-Hazard <input type="checkbox"/> Flammable <input type="checkbox"/> Skin Irritant <input type="checkbox"/> Poison B <input checked="" type="checkbox"/> Unknown	Sample Disposal <input type="checkbox"/> Return To Client <input checked="" type="checkbox"/> Disposal By Lab <input type="checkbox"/> Archive For _____ Months	(A fee may be assessed if samples are retained longer than 1 month)
-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------	--------------------------------------------------------------------------------------------------------------------------------------------------------------------	---------------------------------------------------------------------

Turn Around Time Required <input type="checkbox"/> 24 Hours <input type="checkbox"/> 48 Hours <input type="checkbox"/> 7 Days <input type="checkbox"/> 14 Days <input checked="" type="checkbox"/> 21 Days <input type="checkbox"/> Other _____	OC Requirements (Specify) ASP 2000 Category B deliverables
----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------	----------------------------------------------------------------------

1. Relinquished By [Signature]	Date 11/22/05	Time 1355	1. Received By [Signature]	Date 11/22/05	Time 1355
2. Relinquished By [Signature]	Date 11/22/05	Time 1800	2. Received By [Signature]	Date 11/23/05	Time 1100
3. Relinquished By	Date	Time	3. Received By	Date	Time

Comments *5 metals 6010 for CD, CR, PB, SE, ZN only

DISTRIBUTION: WHITE - Returned to Client with Report; CANARY - Stays with the Sample; PINK - Field Copy

155/1061

APR 16 2005



1/216

STL

STL Buffalo

10 Hazelwood Drive, Suite 106
Amherst, NY 14228

Tel: 716 691 2600 Fax: 716 691 7991
www.stl-inc.com

ANALYTICAL REPORT

Job#: A06-3558

STL Project#: NY4A9341

Site Name: Delta Environmental Consultants, Inc.

Task: Cooper site

Mark Schumacher
Delta Environmental
104 Jamesville Rd.
Syracuse, NY 13214

STL Buffalo

A handwritten signature in black ink, appearing to read "Brian J. Fischer", is written over a horizontal line.

Brian J. Fischer
Project Manager

04/13/2006

STL Buffalo Current Certifications

As of 12/28/2005

STATE	Program	Cert # / Lab ID
AFCEE	AFCEE	
Arkansas	SDWA, CWA, RCRA, SOIL	03-054-D/88-0686
California	NELAP CWA, RCRA	01169CA
Connecticut	SDWA, CWA, RCRA, SOIL	PH-0568
Florida	NELAP CWA, RCRA	E87672
Georgia	SDWA	956
Illinois	NELAP SDWA, CWA, RCRA	200003
Iowa	SW/CS	374
Kansas	NELAP SDWA, CWA, RCRA	E-10187
Kentucky	SDWA	90029
Kentucky UST	UST	30
Louisiana	NELAP CWA, RCRA	2031
Maine	SDWA, CWA	NY044
Maryland	SDWA	294
Massachusetts	SDWA, CWA	M-NY044
Michigan	SDWA	9937
Minnesota	SDWA, CWA, RCRA	036-999-337
New Hampshire	NELAP SDWA, CWA	233701
New Jersey	SDWA, CWA, RCRA, CLP	NY455
New York	NELAP, AIR, SDWA, CWA, RCRA	10026
Oklahoma	CWA, RCRA	9421
Pennsylvania	Env. Lab Reg.	68-281
South Carolina	RCRA	91013
Tennessee	SDWA	02970
USACE	USACE	
USDA	FOREIGN SOIL PERMIT	S-41579
USDOE	Department of Energy	DOECAP-STB
Virginia	SDWA	278
Washington	CWA, RCRA	C254
West Virginia	CWA, RCRA	252
Wisconsin	CWA	998310390

Sample Data Summary Package

SAMPLE SUMMARY

<u>LAB SAMPLE ID</u>	<u>CLIENT SAMPLE ID</u>	<u>MATRIX</u>	<u>SAMPLED</u>		<u>RECEIVED</u>	
			<u>DATE</u>	<u>TIME</u>	<u>DATE</u>	<u>TIME</u>
A6355801	MW-1	WATER	04/04/2006	10:00	04/05/2006	08:45

METHODS SUMMARY

Job#: A06-3558STL Project#: NY4A9341Site Name: Delta Environmental Consultants, Inc.

PARAMETER	ANALYTICAL METHOD
ASP 2000 - METHOD 8270 SEMIVOLATILES	ASP00 8270
Total Recoverable Phenolics	ASP00 420.2

ASP00 "Analytical Services Protocol", New York State Department of Conservation,
June 2000.

NON-CONFORMANCE SUMMARY

Job#: A06-3558STL Project#: NY4A9341Site Name: Delta Environmental Consultants, Inc.General Comments

The enclosed data may or may not have been reported utilizing data qualifiers (Q) as defined on the Data Comment Page.

Soil, sediment and sludge sample results are reported on "dry weight" basis unless otherwise noted in this data package.

According to 40CFR Part 136.3, pH, Chlorine Residual, Dissolved Oxygen, Sulfite, and Temperature analyses are to be performed immediately after aqueous sample collection. When these parameters are not indicated as field (e.g. pH-Field), they were not analyzed immediately, but as soon as possible after laboratory receipt.

Sample dilutions were performed as indicated on the attached Dilution Log. The rationale for dilution is specified by the 3-digit code and definition.

Sample Receipt Comments

A06-3558

Sample Cooler(s) were received at the following temperature(s); 2.0 °C
All samples were received in good condition.

GC/MS Semivolatile Data

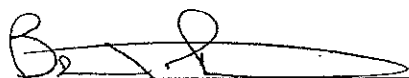
No deviations from protocol were encountered during the analytical procedures.

Wet Chemistry Data

No deviations from protocol were encountered during the analytical procedures.

The results presented in this report relate only to the analytical testing and condition of the sample at receipt. This report pertains to only those samples actually tested. All pages of this report are integral parts of the analytical data. Therefore, this report should be reproduced only in its entirety.

"I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hardcopy data package and in the computer-readable data submitted on floppy diskette has been authorized by the Laboratory Manager or his designee, as verified by the following signature."



Brian J. Fischer
Project Manager

4-14-06

Date



STL

DATA QUALIFIER PAGE

These definitions are provided in the event the data in this report requires the use of one or more of the qualifiers. Not all qualifiers defined below are necessarily used in the accompanying data package.

ORGANIC DATA QUALIFIERS

ND or U Indicates compound was analyzed for, but not detected.

- J Indicates an estimated value. This flag is used either when estimating a concentration for tentatively identified compounds where a 1:1 response is assumed, or when the data indicates the presence of a compound that meets the identification criteria but the result is less than the sample quantitation limit but greater than zero.
- C This flag applies to pesticide results where the identification has been confirmed by GC/MS.
- B This flag is used when the analyte is found in the associated blank, as well as in the sample.
- E This flag identifies compounds whose concentrations exceed the calibration range of the instrument for that specific analysis.
- D This flag identifies all compounds identified in an analysis at the secondary dilution factor.
- N Indicates presumptive evidence of a compound. This flag is used only for tentatively identified compounds, where the identification is based on the Mass Spectral library search. It is applied to all TIC results.
- P This flag is used for CLP methodology only. For Pesticide/Aroclor target analytes, when a difference for detected concentrations between the two GC columns is greater than 25%, the lower of the two values is reported on the data page and flagged with a "P".
- A This flag indicates that a TIC is a suspected aldol-condensation product.
- ! Indicates coelution.
- * Indicates analysis is not within the quality control limits.

INORGANIC DATA QUALIFIERS

ND or U Indicates element was analyzed for, but not detected. Report with the detection limit value.

- J or B Indicates a value greater than or equal to the instrument detection limit, but less than the quantitation limit.
- N Indicates spike sample recovery is not within the quality control limits.
- S Indicates value determined by the Method of Standard Addition.
- E Indicates a value estimated or not reported due to the presence of interferences.
- H Indicates analytical holding time exceedance. The value obtained should be considered an estimate.
- * Indicates the spike or duplicate analysis is not within the quality control limits.
- + Indicates the correlation coefficient for the Method of Standard Addition is less than 0.995.

ASP 2000 - METHOD 8270 SEMIVOLATILES
ANALYSIS DATA SHEET

9/216

Client No.

MW-1

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) WATER Lab Sample ID: A6355801

Sample wt/vol: 1055.0 (g/mL) ML Lab File ID: X08050.RR

Level: (low/med) LOW Date Samp/Recv: 04/04/2006 04/05/2006

% Moisture: _____ decanted: (Y/N) N Date Extracted: 04/07/2006

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 04/10/2006

Injection Volume: 2.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 6.0

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/L Q

100-52-7-----	Benzaldehyde	9	U
108-95-2-----	Phenol	9	U
111-44-4-----	Bis(2-chloroethyl) ether	9	U
95-57-8-----	2-Chlorophenol	9	U
95-48-7-----	2-Methylphenol	9	U
108-60-1-----	2,2'-Oxybis(1-Chloropropane)	9	U
98-86-2-----	Acetophenone	9	U
106-44-5-----	4-Methylphenol	9	U
621-64-7-----	N-Nitroso-Di-n-propylamine	9	U
67-72-1-----	Hexachloroethane	9	U
98-95-3-----	Nitrobenzene	9	U
78-59-1-----	Isophorone	9	U
88-75-5-----	2-Nitrophenol	9	U
105-67-9-----	2,4-Dimethylphenol	9	U
111-91-1-----	Bis(2-chloroethoxy) methane	9	U
120-83-2-----	2,4-Dichlorophenol	9	U
91-20-3-----	Naphthalene	9	U
106-47-8-----	4-Chloroaniline	9	U
87-68-3-----	Hexachlorobutadiene	9	U
105-60-2-----	Caprolactam	9	U
59-50-7-----	4-Chloro-3-methylphenol	9	U
91-57-6-----	2-Methylnaphthalene	2	J
77-47-4-----	Hexachlorocyclopentadiene	24	U
88-06-2-----	2,4,6-Trichlorophenol	9	U
95-95-4-----	2,4,5-Trichlorophenol	9	U
92-52-4-----	Biphenyl	9	U
91-58-7-----	2-Chloronaphthalene	9	U
88-74-4-----	2-Nitroaniline	24	U
131-11-3-----	Dimethyl phthalate	9	U
208-96-8-----	Acenaphthylene	9	U
606-20-2-----	2,6-Dinitrotoluene	9	U
99-09-2-----	3-Nitroaniline	24	U

ASP 2000 - METHOD 8270 SEMIVOLATILES
ANALYSIS DATA SHEET

10/216

Client No.

MW-1

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) WATER Lab Sample ID: A6355801

Sample wt/vol: 1055.0 (g/mL) ML Lab File ID: X08050.RR

Level: (low/med) LOW Date Samp/Recv: 04/04/2006 04/05/2006

% Moisture: _____ decanted: (Y/N) N Date Extracted: 04/07/2006

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 04/10/2006

Injection Volume: 2.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 6.0

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/L Q

83-32-9-----	Acenaphthene	9	U
51-28-5-----	2,4-Dinitrophenol	24	U
100-02-7-----	4-Nitrophenol	24	U
132-64-9-----	Dibenzofuran	9	U
121-14-2-----	2,4-Dinitrotoluene	9	U
84-66-2-----	Diethyl phthalate	9	U
7005-72-3-----	4-Chlorophenyl phenyl ether	9	U
86-73-7-----	Fluorene	9	U
100-01-6-----	4-Nitroaniline	24	U
534-52-1-----	4,6-Dinitro-2-methylphenol	24	U
86-30-6-----	N-nitrosodiphenylamine	9	U
101-55-3-----	4-Bromophenyl phenyl ether	9	U
118-74-1-----	Hexachlorobenzene	9	U
1912-24-9-----	Atrazine	9	U
87-86-5-----	Pentachlorophenol	24	U
85-01-8-----	Phenanthrene	9	U
120-12-7-----	Anthracene	9	U
86-74-8-----	Carbazole	9	U
84-74-2-----	Di-n-butyl phthalate	9	U
206-44-0-----	Fluoranthene	9	U
129-00-0-----	Pyrene	9	U
85-68-7-----	Butyl benzyl phthalate	9	U
91-94-1-----	3,3'-Dichlorobenzidine	9	U
56-55-3-----	Benzo (a) anthracene	9	U
218-01-9-----	Chrysene	9	U
117-81-7-----	Bis (2-ethylhexyl) phthalate	9	U
117-84-0-----	Di-n-octyl phthalate	9	U
205-99-2-----	Benzo (b) fluoranthene	9	U
207-08-9-----	Benzo (k) fluoranthene	9	U
50-32-8-----	Benzo (a) pyrene	9	U
193-39-5-----	Indeno (1,2,3-cd) pyrene	9	U
53-70-3-----	Dibenzo (a,h) anthracene	9	U

ASP 2000 - METHOD 8270 SEMIVOLATILES
ANALYSIS DATA SHEET

11/216

Client No.

MW-1

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) WATER Lab Sample ID: A6355801

Sample wt/vol: 1055.0 (g/mL) ML Lab File ID: X08050.RR

Level: (low/med) LOW Date Samp/Recv: 04/04/2006 04/05/2006

% Moisture: _____ decanted: (Y/N) N Date Extracted: 04/07/2006

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 04/10/2006

Injection Volume: 2.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 6.0

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/L Q

191-24-2-----	Benzo(ghi)perylene	9	U
---------------	--------------------	---	---

ASP 2000 - METHOD 8270 SEMIVOLATILES
TENTATIVELY IDENTIFIED COMPOUNDS

12/216

Client No.

MW-1

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) WATER Lab Sample ID: A6355801

Sample wt/vol: 1055.0 (g/mL) ML Lab File ID: X08050.RR

Level: (low/med) LOW Date Samp/Recv: 04/04/2006 04/05/2006

% Moisture: _____ decanted: (Y/N) N Date Extracted: 04/07/2006

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 04/10/2006

Injection Volume: 2.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 6.0

Number TICs found: 30

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

CAS NO.	Compound Name	RT	Est. Conc.	Q
1. 78-40-0	TRIETHYLPHOSPHATE	7.76	55	JN
2. 3302-10-1	3,5,5-TRIMETHYL HEXANOIC ACI	7.96	14	JN
3.	UNKNOWN	8.37	11	J
4. 3602-55-9	2,5-CYCLOHEXADIENE-1,4-DIONE	8.63	21	JN
5.	UNKNOWN	8.85	12	J
6.	UNKNOWN	8.94	11	J
7.	UNKNOWN	9.04	12	J
8.	UNKNOWN	9.27	65	J
9. 585-34-2	M-TERT-BUTYL-PHENOL	9.42	58	JN
10.	UNKNOWN	9.98	15	J
11.	UNKNOWN	10.29	31	J
12.	UNKNOWN	10.35	20	J
13.	UNKNOWN	10.47	100	J
14.	UNKNOWN	10.71	34	J
15.	UNKNOWN	10.98	11	J
16.	UNKNOWN	11.23	34	J
17.	UNKNOWN	11.29	28	J
18.	UNKNOWN	11.41	10	J
19.	UNKNOWN	11.50	12	J
20.	UNKNOWN	11.54	36	J
21.	UNKNOWN	11.64	22	J
22. 4408-60-0	MESITYLACETIC ACID	11.72	36	JN
23.	UNKNOWN	12.06	14	J

ASP 2000 - METHOD 8270 SEMIVOLATILES
TENTATIVELY IDENTIFIED COMPOUNDS

13/216

Client No.

MW-1

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) WATER Lab Sample ID: A6355801

Sample wt/vol: 1055.0 (g/mL) ML Lab File ID: X08050.RR

Level: (low/med) LOW Date Samp/Recv: 04/04/2006 04/05/2006

% Moisture: _____ decanted: (Y/N) N Date Extracted: 04/07/2006

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 04/10/2006

Injection Volume: 2.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 6.0

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

Number TICs found: 30

CAS NO.	Compound Name	RT	Est. Conc.	Q
24.	UNKNOWN	12.11	43	J
25.	UNKNOWN	12.46	15	J
26. 934-34-9	2 (3H) BEZOTHAZOLONE	12.53	11	JN
27. 111-06-8	HEXADECANOIC ACID, BUTYL ESTR	14.67	25	BJN
28. 123-95-5	HEXADECANOIC ACID, BUTYL ESTR	15.31	20	BJN
29.	UNKNOWN	15.38	15	J
30. 112-84-5	13-DOCONAMIDE	16.46	14	BJN

ASP 2000 - METHOD 8270 SEMIVOLATILES
WATER SURROGATE RECOVERY

15/216

Lab Name: STL Buffalo

Contract: _____

Lab Code: RECN

Case No.: _____

SAS No.: _____

SDG No.: _____

	Client Sample ID	Lab Sample ID	2CP %REC #	2FP %REC #	DCB %REC #	FBP %REC #	NBZ %REC #	PHL %REC #	TBP %REC #	TPH %REC #	TOT OUT
1	MSB83	A6B1672401	55	33	54	62	59	26	82	63	0
2	MSBD83	A6B1672402	64	39	67	73	72	32	95	75	0
3	MW-1	A6355801	65	37	63	58	77	30	106	61	0
4	SBLK83	A6B1672403	60	33	57	63	60	30	88	69	0

QC LIMITS

2CP	=	2-Chlorophenol-d4	(33-110)
2FP	=	2-Fluorophenol	(21-110)
DCB	=	1,2-Dichlorobenzene-d4	(16-110)
FBP	=	2-Fluorobiphenyl	(43-116)
NBZ	=	Nitrobenzene-D5	(35-114)
PHL	=	Phenol-D5	(10-110)
TBP	=	2,4,6-Tribromophenol	(10-123)
TPH	=	p-Terphenyl-d14	(33-141)

- # Column to be used to flag recovery values
* Values outside of contract required QC limits
D Surrogates diluted out

Chain Of Custody Documentation

1. 2. 3. 4. 5. 6. 7. 8. 9. 10. 11. 12. 13. 14. 15. 16. 17. 18. 19. 20. 21. 22. 23. 24. 25. 26. 27. 28. 29. 30. 31. 32. 33. 34. 35. 36. 37. 38. 39. 40. 41. 42. 43. 44. 45. 46. 47. 48. 49. 50. 51. 52. 53. 54. 55. 56. 57. 58. 59. 60. 61. 62. 63. 64. 65. 66. 67. 68. 69. 70. 71. 72. 73. 74. 75. 76. 77. 78. 79. 80. 81. 82. 83. 84. 85. 86. 87. 88. 89. 90. 91. 92. 93. 94. 95. 96. 97. 98. 99. 100. 101. 102. 103. 104. 105. 106. 107. 108. 109. 110. 111. 112. 113. 114. 115. 116. 117. 118. 119. 120. 121. 122. 123. 124. 125. 126. 127. 128. 129. 130. 131. 132. 133. 134. 135. 136. 137. 138. 139. 140. 141. 142. 143. 144. 145. 146. 147. 148. 149. 150. 151. 152. 153. 154. 155. 156. 157. 158. 159. 160. 161. 162. 163. 164. 165. 166. 167. 168. 169. 170. 171. 172. 173. 174. 175. 176. 177. 178. 179. 180. 181. 182. 183. 184. 185. 186. 187. 188. 189. 190. 191. 192. 193. 194. 195. 196. 197. 198. 199. 200. 201. 202. 203. 204. 205. 206. 207. 208. 209. 210. 211. 212. 213. 214. 215. 216. 217. 218. 219. 220. 221. 222. 223. 224. 225. 226. 227. 228. 229. 230. 231. 232. 233. 234. 235. 236. 237. 238. 239. 240. 241. 242. 243. 244. 245. 246. 247. 248. 249. 250. 251. 252. 253. 254. 255. 256. 257. 258. 259. 260. 261. 262. 263. 264. 265. 266. 267. 268. 269. 270. 271. 272. 273. 274. 275. 276. 277. 278. 279. 280. 281. 282. 283. 284. 285. 286. 287. 288. 289. 290. 291. 292. 293. 294. 295. 296. 297. 298. 299. 300. 301. 302. 303. 304. 305. 306. 307. 308. 309. 310. 311. 312. 313. 314. 315. 316. 317. 318. 319. 320. 321. 322. 323. 324. 325. 326. 327. 328. 329. 330. 331. 332. 333. 334. 335. 336. 337. 338. 339. 340. 341. 342. 343. 344. 345. 346. 347. 348. 349. 350. 351. 352. 353. 354. 355. 356. 357. 358. 359. 360. 361. 362. 363. 364. 365. 366. 367. 368. 369. 370. 371. 372. 373. 374. 375. 376. 377. 378. 379. 380. 381. 382. 383. 384. 385. 386. 387. 388. 389. 390. 391. 392. 393. 394. 395. 396. 397. 398. 399. 400. 401. 402. 403. 404. 405. 406. 407. 408. 409. 410. 411. 412. 413. 414. 415. 416. 417. 418. 419. 420. 421. 422. 423. 424. 425. 426. 427. 428. 429. 430. 431. 432. 433. 434. 435. 436. 437. 438. 439. 440. 441. 442. 443. 444. 445. 446. 447. 448. 449. 450. 451. 452. 453. 454. 455. 456. 457. 458. 459. 460. 461. 462. 463. 464. 465. 466. 467. 468. 469. 470. 471. 472. 473. 474. 475. 476. 477. 478. 479. 480. 481. 482. 483. 484. 485. 486. 487. 488. 489. 490. 491. 492. 493. 494. 495. 496. 497. 498. 499. 500. 501. 502. 503. 504. 505. 506. 507. 508. 509. 510. 511. 512. 513. 514. 515. 516. 517. 518. 519. 520. 521. 522. 523. 524. 525. 526. 527. 528. 529. 530. 531. 532. 533. 534. 535. 536. 537. 538. 539. 540. 541. 542. 543. 544. 545. 546. 547. 548. 549. 550. 551. 552. 553. 554. 555. 556. 557. 558. 559. 560. 561. 562. 563. 564. 565. 566. 567. 568. 569. 570. 571. 572. 573. 574. 575. 576. 577. 578. 579. 580. 581. 582. 583. 584. 585. 586. 587. 588. 589. 590. 591. 592. 593. 594. 595. 596. 597. 598. 599. 600. 601. 602. 603. 604. 605. 606. 607. 608. 609. 610. 611. 612. 613. 614. 615. 616. 617. 618. 619. 620. 621. 622. 623. 624. 625. 626. 627. 628. 629. 630. 631. 632. 633. 634. 635. 636. 637. 638. 639. 640. 641. 642. 643. 644. 645. 646. 647. 648. 649. 650. 651. 652. 653. 654. 655. 656. 657. 658. 659. 660. 661. 662. 663. 664. 665. 666. 667. 668. 669. 670. 671. 672. 673. 674. 675. 676. 677. 678. 679. 680. 681. 682. 683. 684. 685. 686. 687. 688. 689. 690. 691. 692. 693. 694. 695. 696. 697. 698. 699. 700. 701. 702. 703. 704. 705. 706. 707. 708. 709. 710. 711. 712. 713. 714. 715. 716. 717. 718. 719. 720. 721. 722. 723. 724. 725. 726. 727. 728. 729. 730. 731. 732. 733. 734. 735. 736. 737. 738. 739. 740. 741. 742. 743. 744. 745. 746. 747. 748. 749. 750. 751. 752. 753. 754. 755. 756. 757. 758. 759. 760. 761. 762. 763. 764. 765. 766. 767. 768. 769. 770. 771. 772. 773. 774. 775. 776. 777. 778. 779. 780. 781. 782. 783. 784. 785. 786. 787. 788. 789. 790. 791. 792. 793. 794. 795. 796. 797. 798. 799. 800. 801. 802. 803. 804. 805. 806. 807. 808. 809. 810. 811. 812. 813. 814. 815. 816. 817. 818. 819. 820. 821. 822. 823. 824. 825. 826. 827. 828. 829. 830. 831. 832. 833. 834. 835. 836. 837. 838. 839. 840.

STL

Severn Trent Laboratories, Inc.

| | | | |
|-------------------------------|------------------------------------------------------------------------|----------------|-----------------------------------|
| Client
DELTA ENVIRONMENTAL | Project Manager
MARK SCHUMACHER | Date
4-4-00 | Chain of Custody Number
243062 |
| Address
104 JAMESVILLE RD | Telephone Number (Area Code)/Fax Number
315-445-2224 / 315-445-0793 | Lab Number | Page 1 of 1 |

| | | | | | |
|------------------|-------------|-------------------|----------------------|-------------------------------|------------------------------------------------|
| City
SYRACUSE | State
NY | Zip Code
13214 | Site Contact
SAMU | Lab Contact
ADRIAN FISCHER | Analysis (Attach list if more space is needed) |
|------------------|-------------|-------------------|----------------------|-------------------------------|------------------------------------------------|

| | | |
|----------------------------------------------------|---------------------------------------|-----------------------|
| Project Name and Location (State)
COOPER | Carrier/Waybill Number
2270 | Special Instructions/ |
|----------------------------------------------------|---------------------------------------|-----------------------|

| | | | | | | | | | | | | |
|------------------------------------------------------|--|---------------|---------------------------------------|-------------|--|--|--|--|--|--|--|--------------------------------------------------------|
| <i>Contract/Purchase Order/Quote No.</i>
0310025P | | <i>Matrix</i> | <i>Containers & Preservatives</i> | 822
0.22 | | | | | | | | <i>Special Instructions/
Conditions of Receipt</i> |
|------------------------------------------------------|--|---------------|---------------------------------------|-------------|--|--|--|--|--|--|--|--------------------------------------------------------|

[illegible][illegible]

| | | | | | | | | | |
|-------------------------------------|------------------------------------|----------------------------------------|-----------------------------------|---------------------------------------------|-------------------------------------------|-----------------------------------------------------|---------------------------------------------------|---------------------------------------------------------------------|--|
| Possible Hazard Identification | | | | | Sample Disposal | | | | |
| <input type="checkbox"/> Non-Hazard | <input type="checkbox"/> Flammable | <input type="checkbox"/> Skin Irritant | <input type="checkbox"/> Poison B | <input checked="" type="checkbox"/> Unknown | <input type="checkbox"/> Return To Client | <input checked="" type="checkbox"/> Disposal By Lab | <input type="checkbox"/> Archive For _____ Months | (A fee may be assessed if samples are retained longer than 1 month) | |

Turn Around Time Required ☐ 24 Hours ☐ 48 Hours ☐ 7 Days ☒ 14 Days ☐ 21 Days ☐ Other _____

| | | | | | |
|------------------------------------------|-----------------|--------------|----------------------------------|-----------------|--------------|
| 1. Relinquished By
<i>[Signature]</i> | Date
4-4-96 | Time | 1. Received By
R. English STL | Date
4/04/06 | Time
1100 |
| 2. Relinquished By
<i>[Signature]</i> | Date
4/04/06 | Time
1830 | 2. Received By
Tim PJ' SR | Date
040506 | Time
0845 |
| 3. Relinquished By | Date | Time | 3. Received By
<i>(201)</i> | Date | Time |

Comments
ASP 2000 CAT B DELIVERABLE / Form 1A due in 14 days, CAT 6 deliv in 21

DISTRIBUTION: WHITE - Returned to Client with Report; CANARY - Stays with the Sample; PINK - Field Copy

BATCH QA/QC

35/216

ATTACHMENT 3

TEST PIT LOGS, SOIL BORING LOGS

AND GROUNDWATER SAMPLING LOGS

DELTA ENVIRONMENTAL CONSULTANTS
FIELD OBSERVATION LOG
GROUNDWATER SAMPLING RECORD

Site: Cooper Crouse-Hinds

Date: 11/21-11/22/05

Project No: 0310025P

Weather/Temp: Sunny, 50 degrees

Sampler: Scott Bryant Signature: _____

Time of Arrival: _____ Time of Departure: _____

Sampler: Jennifer Hull Signature: _____

| | | | | | | | | | | | | | | |
|-----------------------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Well No: | W-1 | W-2 | W-3 | MW-1 | MW-2 | MW-3 | MW-4A | MW-4B | MW-5 | MW-6A | MW-6B | MW-7 | MW-8A | MW-8B |
| Depth of Well (TOC): | 26.06 | 25.17 | 25.21 | 22.60 | 21.60 | 15.00 | 15.45 | 39.70 | 57.80 | 12.31 | 59.40 | 53.70 | 14.35 | 41.90 |
| Depth to Groundwater (TOC): | 7.20 | 10.00 | 7.50 | 9.80 | 7.29 | 3.70 | 4.07 | 3.99 | 5.40 | 3.40 | 1.80 | 0.80 | 3.89 | 1.24 |
| Elevation at Top of PVC: | 375.38 | 376.88 | 373.95 | 379.38 | 380.70 | 372.23 | 373.77 | 373.83 | 376.27 | 372.12 | 372.92 | 371.98 | 371.70 | 371.35 |
| Water Level Elevation: | 368.18 | 366.88 | 366.45 | 369.58 | 373.41 | 368.53 | 369.70 | 369.84 | 370.87 | 368.72 | 371.12 | 371.18 | 367.81 | 370.11 |
| Well Volume: | 3.02 | 2.43 | 2.83 | 2.05 | 2.29 | 1.81 | 1.82 | 5.71 | 8.38 | 1.43 | 9.22 | 8.46 | 1.67 | 6.51 |
| Volume Purged (gallons): | 10.00 | 8.00 | 9.00 | 7.00 | 7.00 | 6.00 | 5.46 | 16.40 | 27.00 | 4.30 | 29.00 | 26.50 | 5.20 | 20.00 |

Purging Method: Peristaltic pump and low flow techniques

Observations:

| | | | | | | | | | | | | | | |
|--------------|-------|-------|-------|----------|-------|-------|-------|-------|----------|-------|-------|-------|-------|-------|
| color | Clear | Clear | Clear | Clear | Clear | Clear | Clear | Clear | Clear | Clear | Clear | Clear | Clear | Clear |
| sheen | None | None | None | None | None | None | None | None | None | Yes | None | None | None | None |
| odor | None | None | None | Lt. Oily | None | None | None | None | Lt. Oily | Oily | None | None | None | None |
| pH | 7.20 | 6.85 | 7.10 | 6.65 | 6.59 | 6.42 | 7.52 | 7.49 | 7.08 | NA | 6.87 | 6.76 | 6.95 | 7.36 |
| temperature | 10.20 | 11.20 | 12.10 | 10.70 | 10.90 | 12.90 | 12.20 | 11.30 | 9.30 | NA | 8.80 | 11.20 | 10.40 | 9.90 |
| conductivity | 2.52 | 15.80 | 23.20 | 2.05 | 1.79 | 2.30 | 1.34 | 19.30 | 2.32 | NA | 5.90 | 17.10 | 1.56 | 25.10 |
| dissolved O2 | 10.98 | 11.28 | 10.20 | 9.91 | NA | 9.82 | NA | NA | 9.86 | NA | 10.56 | 10.22 | NA | NA |
| turbidity | 51.00 | 44.00 | 38.00 | 46.00 | 20.00 | 47.00 | 4.00 | 5.00 | 25.00 | NA | 52.00 | 28.00 | 13.00 | 10.00 |
| ORP | | | | | | | | | | | | | | |

Comments:

NA: Not analyzed

DELTA ENVIRONMENTAL CONSULTANTS
FIELD OBSERVATION LOG
GROUNDWATER SAMPLING RECORD

Site: Cooper Crouse-Hinds

Date: 11/21-11/22/05

Project No: 0310025P

Weather/Temp: Sunny, 50 degrees

Sampler: Scott Bryant Signature: _____

Time of Arrival: _____ Time of Departure: _____

Sampler: Jennifer Hull Signature: _____

| | | | | | | | | | | | | | | |
|-----------------------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--|
| Well No: | MW-9A | MW-9B | MW-10 | MW-11A | MW-11B | MW-12A | MW-12B | MW-13 | MW-14 | OW-1 | OW-2 | OW-3 | OW-4 | |
| Depth of Well (TOC): | 16.22 | 66.28 | 16.00 | 16.45 | 34.46 | 66.65 | 17.15 | 16.20 | 16.60 | 15.00 | 15.00 | 15.00 | 15.00 | |
| Depth to Groundwater (TOC): | 5.35 | 1.26 | 4.10 | 4.70 | 5.02 | 5.51 | 8.02 | 9.70 | 4.20 | 4.47 | 5.00 | 3.97 | 4.13 | |
| Elevation at Top of PVC: | 372.08 | 371.87 | 370.43 | 375.08 | 374.94 | 378.03 | 378.23 | 382.14 | 376.35 | 375.87 | 375.78 | 376.67 | 375.81 | |
| Water Level Elevation: | 366.73 | 370.61 | 366.33 | 370.38 | 369.92 | 372.52 | 370.21 | 372.44 | 372.15 | 371.40 | 370.78 | 372.70 | 371.68 | |
| Well Volume: | 1.74 | 10.40 | 1.90 | 1.88 | 4.71 | 9.78 | 1.46 | 1.04 | 1.98 | 1.68 | 1.60 | 1.76 | 1.74 | |
| Volume Purged (gallons): | 5.30 | 32.00 | 6.00 | 5.80 | 14.70 | 31.00 | 5.00 | 6.00 | 6.00 | | | | | |

Purging Method: Peristaltic pump and low flow techniques

Observations:

| | | | | | | | | | | | | | | |
|--------------|-------|-------|------------|----------|-------|-------|-------|-------|----------|----------|----------|----------|-------|--|
| color | Clear | Clear | Clear | Clear | Clear | Clear | Clear | Clear | Clear | Clear | Clear | Clear | Clear | |
| sheen | None | None | None | None | None | None | None | None | None | None | None | None | None | |
| odor | None | None | Sl. Sulfur | Lt. Oily | None | None | None | None | Lt. Oily | Lt. Oily | Lt. Oily | Lt. Oily | None | |
| pH | 7.55 | 7.22 | 6.90 | 7.56 | 7.03 | 7.19 | 7.72 | 7.45 | 7.10 | NA | NA | NA | NA | |
| temperature | 8.60 | 9.40 | 10.20 | 11.60 | 11.50 | 12.40 | 10.00 | 12.20 | 11.90 | NA | NA | NA | NA | |
| conductivity | 7.71 | 29.90 | 1.15 | 2.10 | 14.80 | 3.73 | 3.12 | 1.05 | 1.10 | NA | NA | NA | NA | |
| dissolved O2 | NA | NA | 9.52 | NA | NA | NA | NA | 14.13 | 9.96 | NA | NA | NA | NA | |
| turbidity | 18.00 | 36.00 | 27.00 | 44.00 | 35.00 | 25.00 | 42.00 | 46.00 | 42.00 | NA | NA | NA | NA | |
| ORP | | | | | | | | | | | | | | |

Comments:

NA: Not analyzed

INTEGREYED INTERNATIONAL, LLC
FIELD OBSERVATION LOG
GROUNDWATER SAMPLING RECORD

Site: Cooper Crouse-Hinds

Date: 6/30-7/1/04

Project No: 0310025P

Weather/Temp: Sunny and clear, 80 degrees

Sampler: Scott Bryant Signature: _____

Sample: Mark J Schumacher Signature: _____

Time of Arrival: _____ Time of Departure: _____

| | | | | | | | | | | | | | | | | | | | |
|-----------------------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Well No: | W-1 | W-2 | W-3 | MW-1 | MW-2 | MW-3 | MW-4A | MW-4B | MW-5 | MW-6A | MW-6B | MW-7 | MW-8A | MW-8B | MW-9A | MW-9B | MW-10 | MW-11A | MW-11B |
| Depth of Well (TOC): | 26.06 | 25.17 | 25.21 | 22.60 | 21.60 | 15.00 | 15.45 | 39.70 | 53.35 | 12.31 | 59.40 | 53.70 | 14.35 | 41.90 | 16.22 | 66.28 | 16.00 | 16.45 | 34.46 |
| Depth to Groundwater (TOC): | 6.95 | 10.15 | 7.56 | 10.55 | 7.70 | 4.42 | 4.42 | 3.38 | 3.17 | 5.51 | 0.25 | 0.00 | 2.40 | 0.00 | 5.99 | 0.00 | 5.20 | 5.05 | 4.18 |
| Elevation at Top of PVC: | 375.38 | 376.88 | 373.95 | 379.38 | 380.70 | 372.23 | 373.77 | 373.83 | 375.71 | 372.12 | 372.92 | 371.98 | 371.70 | 371.35 | 372.08 | 371.87 | 370.43 | 375.08 | 374.94 |
| Water Level Elevation: | 368.43 | 366.73 | 366.39 | 368.83 | 373.00 | 367.81 | 369.35 | 370.45 | 372.54 | 366.61 | 372.67 | 371.98 | 369.30 | 371.35 | 366.09 | 371.87 | 365.23 | 370.03 | 370.76 |
| Well Volume: | 3.06 | 2.40 | 2.82 | 1.93 | 2.22 | 1.69 | 1.76 | 5.81 | 8.03 | 1.09 | 9.46 | 8.59 | 1.91 | 6.70 | 1.64 | 10.60 | 1.73 | 1.82 | 4.84 |
| Volume Purged (gallons): | 10.00 | 10.00 | 10.00 | 6.00 | 6.70 | 5.00 | 10.00 | 25.00 | 27.00 | 4.00 | 30.00 | 28.00 | 5.70 | 22.00 | 10.00 | 55.00 | 8.00 | 10.00 | 20.00 |

Purging Method: Peristaltic pump and low flow techniques

| | | | | | | | | | | | | | | | | | | | |
|---------------|---------|---------|---------|---------|---------|---------|---------|--------|--------|--------|--------|--------|---------|--------|--------|--------|---------|---------|----------|
| Observations: | Clear | Clear | Clear | Clear | Clear | Clear | Clear | Clear | Clear | Cloudy | Clear | Clear | Clear | Clear | Clear | Clear | Clear | Clear | Sl. Cldy |
| color | None | None | None | None | None | None | None | None | None | Yes | None | None | None | None | None | None | None | None | None |
| sheen | None | None | None | None | None | None | None | None | None | Oily | None | None | None | None | None | None | None | None | None |
| odor | None | None | None | None | None | None | None | None | None | None | None | None | None | None | None | None | None | None | None |
| pH | 7.39 | 7.17 | 7.02 | 4.61 | 5.94 | 6.50 | 7.18 | 6.90 | 6.18 | NA | 6.67 | 6.39 | 5.98 | 6.45 | 6.83 | 6.80 | 6.70 | 6.98 | 6.96 |
| temperature | 12.36 | 13.72 | 16.80 | 11.20 | 11.50 | 13.10 | 12.69 | 10.51 | 12.10 | NA | 11.90 | 12.30 | 12.10 | 12.00 | 11.57 | 11.05 | 12.20 | 12.24 | 10.43 |
| conductivity | 2.72 | 14.70 | 83.70 | 1.80 | 1.70 | 2.70 | 1.57 | 20.50 | 1.26 | NA | 6.49 | 14.90 | 1.53 | 23.00 | 11.00 | 31.90 | 0.81 | 2.14 | 15.60 |
| dissolved O2 | 3.33 | 3.13 | 4.38 | 0.00 | 1.30 | 7.01 | 0.74 | 0.27 | 0.00 | NA | 0.00 | 0.00 | 0.66 | 0.00 | 5.61 | 0.34 | 0.00 | 1.08 | 0.37 |
| turbidity | 56.40 | 35.60 | 42.80 | 30.00 | 25.00 | 50.00 | 48.30 | 46.30 | 5.00 | NA | 7.00 | 29.00 | 12.00 | 17.00 | 35.70 | 37.90 | 50.00 | 31.00 | 79.80 |
| ORP | -144.00 | -157.00 | -134.00 | -127.00 | -111.00 | -119.00 | -199.00 | -83.00 | -82.00 | NA | -98.00 | -68.00 | -176.00 | -83.00 | -69.00 | -76.00 | -127.00 | -138.00 | -100.00 |

Comments: _____

INTEGREYTED INTERNATIONAL, LLC
TEST BORING LOG
BORING NO.: MW-4B

Sheet 1 of 3

| | | | | | | | | | |
|--------------------------------------|---------------|--------------------|------|-------------------------|--------------------------------------------------------------------|--------------|------|----------------------|--------------|
| PROJECT: Preliminary Site Assessment | | | | | | Sheet 1 of 3 | | | |
| CLIENT: Cooper Industries | | | | | | | | | |
| INTEGREYTED PROJECT NO: 0310025P | | | | | | | | | |
| DRILLING METHOD: | | H.S.A | | SAMPLER | | BIT SIZE | CORE | CASING | |
| DRILLING RIG: | | CME 45B | | 2' SS | | 4 1/4" ID | NA | NA | DATE: 6/9/04 |
| DRILLER: | | Jeff Grant | | INSPECTOR: Scott Bryant | | | | | |
| DEPTH
IN FT. | SAMPLE
NO. | BLOWS
PER
6" | REC. | PID
READING
(ppm) | SOIL DESCRIPTION | | | REMARKS | |
| 1.0 | 1 | 1 | 0.6 | 2.0 | Sand (f-m) little silt, black foundry sand and slag, organics, wet | | | Fill | |
| 2.0 | | 2 | | | | | | Obvious peat odor | |
| | | 1 | | | | | | | |
| 3.0 | 2 | 12 | 0.4 | 3.0 | Same as above, saturated | | | WT @ 3' | |
| 4.0 | | 6 | | | | | | Fill | |
| | | 2 | | | | | | peat odor | |
| | | 9 | | | | | | | |
| 5.0 | 3 | 6 | 0.5 | 4.0 | Peat and sand (f-m) little silt, saturated, black | | | 5.0' | |
| 6.0 | | 11 | | | | | | peat odor | |
| | | 6 | | | | | | | |
| | | 4 | | | | | | | |
| 7.0 | 4 | 2 | 0.8 | 4.0 | Sand (f-cs) trace gravel (f), organics, black, saturated | | | peat odor | |
| 8.0 | | 3 | | | | | | | |
| | | 3 | | | | | | | |
| 9.0 | 5 | 0 | 0.9 | 2.0 | Same as above to 9.0' | | | peat odor | |
| 10.0 | | 0 | | | 9.0-10.0' Sand (f-cs) little silt, light gray-brown, saturated | | | | |
| | | 0 | | | | | | | |
| | | 0 | | | | | | | |
| 11.0 | 6 | 0 | 0.8 | 1.0 | Same as above - alternating silty sand and peat lenses, wet | | | weak peat odor | |
| 12.0 | | 2 | | | | | | | |
| | | 2 | | | | | | | |
| | | 1 | | | | | | | |
| 13.0 | 7 | 3 | 1.4 | 0.0 | Silt some clay little sand (f), gray-brown, fining down, wet | | | 13.0' | |
| 14.0 | | 2 | | | | | | No odors or staining | |
| | | 1 | | | | | | | |
| | | 1 | | | | | | | |
| 15.0 | 8 | 0 | 0.9 | 0.0 | Clay little silt, light gray, saturated | | | | |
| 16.0 | | 0 | | | | | | | |
| | | 0 | | | | | | | |
| | | 1 | | | | | | | |
| 17.0 | 9 | 1 | 0.9 | 0.0 | Same as above | | | | |
| | | 1 | | | | | | | |
| 18.0 | | 1 | | | | | | | |

INTEGREYTED INTERNATIONAL, LLC
TEST BORING LOG
BORING NO.: MW-4B

Sheet 2 of 3

| | | | | | | | | | |
|--------------------------------------|--------|------------|------|-------------------------|-----------------------------------------------------------------------------------------|--------------|------|---------------------|--------------|
| PROJECT: Preliminary Site Assessment | | | | | | Sheet 2 of 3 | | | |
| CLIENT: Cooper Industries | | | | | | | | | |
| INTEGREYTED PROJECT NO: 0310025P | | | | | | | | | |
| DRILLING METHOD: | | H.S.A | | SAMPLER | | BIT SIZE | CORE | CASING | |
| DRILLING RIG: | | CME 45B | | 2' SS | | 4 1/4" ID | NA | NA | DATE: 6/9/04 |
| DRILLER: | | Jeff Grant | | INSPECTOR: Scott Bryant | | | | | |
| DEPTH | SAMPLE | BLOWS | REC. | PID | SOIL DESCRIPTION | | | REMARKS | |
| IN FT. | NO. | PER | | READING | | | | | |
| | | 6" | | (ppm) | | | | | |
| 19.0 | 10 | 1
3 | 1.6 | 0.0 | Same as above with some minor lenses of silty sand | | | No odor or staining | |
| 20.0 | | 5
3 | | | | | | | |
| 21.0 | 11 | 2 | 1.4 | 0.0 | Silt little clay trace sand (f), gray, saturated | | | | |
| 22.0 | | 2
1 | | | | | | | |
| 23.0 | 12 | 3
2 | 1.7 | 0.0 | Same as above, slightly coarser | | | | |
| 24.0 | | 2
1 | | | | | | | |
| 25.0 | 13 | 1 | 0.8 | 0.0 | Sand (f-m) some silt little clay, trace gravel (f), gray, saturated | | | | |
| 26.0 | | 4
7 | | | | | | | |
| 27.0 | 14 | 3
5 | 0.4 | 0.0 | Same as above | | | | |
| 28.0 | | 4
7 | | | | | | | |
| 29.0 | 15 | 9 | 1.2 | 0.0 | Same as above | | | | |
| 30.0 | | 9
4 | | | | | | | |
| 31.0 | 16 | 3 | 1.1 | 0.0 | Same as above | | | | |
| 32.0 | | 3
5 | | | | | | | |
| 33.0 | 17 | 0 | 1.4 | 0.0 | Same as above to 33'
33-34' Sand (f-m) little silt trace gravel (f), gray, saturated | | | | |
| 34.0 | | 0
4 | | | | | | | |
| 35.0 | 18 | 8 | 1.2 | 0.0 | Sand (f-cs) little silt trace gravel (f), gray, saturated | | | | |
| 36.0 | | 8
10 | | | | | | | |

INTEGREYTED INTERNATIONAL, LLC

TEST BORING LOG BORING NO.: MW-4B

Sheet 3 of 3

| PROJECT: Preliminary Site Assessment | | | | | | Sheet 3 of 3 | |
|--------------------------------------|---------------|--------------------|---------|-------------------------|---------------------------------------------------------------------------------------------------------------|--------------|---------------------|
| CLIENT: Cooper Industries | | | | | | | |
| INTEGREYTED PROJECT NO: 0310025P | | | | | | | |
| DRILLING METHOD: | | H.S.A | SAMPLER | | BIT SIZE | CORE | CASING |
| DRILLING RIG: | | CME 45B | 2' SS | | 4 1/4" ID | NA | NA |
| DRILLER: | | Jeff Grant | | INSPECTOR: Scott Bryant | | DATE: 6/9/04 | |
| DEPTH
IN FT. | SAMPLE
NO. | BLOWS
PER
6" | REC. | PID
READING
(ppm) | SOIL DESCRIPTION | | REMARKS |
| 37.0 | 19 | 4
6
9 | 1.3 | 0.0 | Same as above to 37.5', more gravel
37.5-38' Sand (f-m) some silt little gravel (f-m), hard, damp | | No odor or staining |
| 38.0 | | 10
50/0.2' | | | | | |
| 39.0 | 20 | | 0.1 | 0.0 | Sand (f-m) little silt, little gravel (f-m), brown, damp, hard
<div style="text-align: right;">40.0'</div> | | |
| 40.0 | | | | | EOB @ 40' | | |
| 41.0 | | | | | Monitoring well set at 38 '
10 ft of 0.01" screen, 28'-38' | | |
| 42.0 | | | | | Sand pack 26'-38' | | |
| 43.0 | | | | | Bentonite seal 24'-26' | | |
| 44.0 | | | | | Concrete 0-24' | | |
| 45.0 | | | | | Monitoring Well MW-4A
Monitoring well set at 14 '
10 ft of 0.01" screen, 4'-14' | | |
| 46.0 | | | | | Sand pack 3'-14' | | |
| 47.0 | | | | | Bentonite seal 1'-3' | | |
| 48.0 | | | | | Concrete 0-1' | | |
| 49.0 | | | | | | | |
| 50.0 | | | | | | | |
| 51.0 | | | | | | | |
| 52.0 | | | | | | | |
| 53.0 | | | | | | | |
| 54.0 | | | | | | | |

INTEGREYTED INTERNATIONAL, LLC
TEST BORING LOG
BORING NO.: MW-9B

Sheet 1 of 4

| | | | | | | | | | |
|--------------------------------------|---------------|--------------------|------|-------------------------|-----------------------------------------------------------------------------------------------------|--------------|------|--------|------------------------|
| PROJECT: Preliminary Site Assessment | | | | | | Sheet 1 of 4 | | | |
| CLIENT: Cooper Industries | | | | | | | | | |
| INTEGREYTED PROJECT NO: 0310025P | | | | | | | | | |
| DRILLING METHOD: | | H.S.A | | SAMPLER | | BIT SIZE | CORE | CASING | |
| DRILLING RIG: | | CME 45B | | 2' SS | | 4 1/4" ID | NA | NA | DATE: 6/7/04 |
| DRILLER: | | Jeff Grant | | INSPECTOR: Scott Bryant | | | | | |
| DEPTH
IN FT. | SAMPLE
NO. | BLOWS
PER
6" | REC. | PID
READING
(ppm) | SOIL DESCRIPTION | | | | REMARKS |
| 1.0 | 1 | 2
6
8 | 1.3 | 0.0 | Sand (f-m) trace silt trace gravel (f), black foundry sand and slag, minor organics, damp | | | | Fill
Weak peat odor |
| 2.0 | | 14
7 | | | | | | | |
| 3.0 | 2 | 9
7 | 1.2 | 0.0 | Same as above | | | | Fill |
| 4.0 | | 6
2 | | | | | | | |
| 5.0 | 3 | 2
2
2 | 1.1 | 0.0 | Same as above, wet | | | | Fill |
| 6.0 | | 2
2 | | | | | | | |
| 7.0 | 4 | 1
2 | 1.0 | 0.0 | 7-8' Peat and sand (f-m) some silt, organic rich, brown, saturated | | | | 7.0' WT @ 6' |
| 8.0 | | 1
1 | | | | | | | No odor or staining |
| 9.0 | 5 | 1
1 | 1.3 | 0.0 | Peat as above to 9.7', saturated
9.7-10' Clay and silt trace sand (f), gray, wet, minor organics | | | | |
| 10.0 | | 1
1 | | | | | | | |
| 11.0 | 6 | 1
1 | 1.1 | 0.0 | Same as above - alternating silty clay and peat lenses, wet | | | | |
| 12.0 | | 2
0 | | | | | | | |
| 13.0 | 7 | 0
5 | 1.5 | 0.0 | 13.5-14' Sand (f-m) and silt, gray-brown, wet | | | | 13.5' |
| 14.0 | | 7
7 | | | | | | | |
| 15.0 | 8 | 7
7 | 1.3 | 0.0 | Silt and sand (f) little clay, gray-brown, wet | | | | |
| 16.0 | | 4
2 | | | | | | | |
| 17.0 | 9 | 3
5 | 1.4 | 0.0 | Same as above, slightly coarser and saturated | | | | |
| 18.0 | | 6 | | | | | | | |

INTEGREYTED INTERNATIONAL, LLC
TEST BORING LOG
BORING NO.: MW-9B

Sheet 2 of 4

| | | | | | | | |
|--------------------------------------|--|------------|--|------------|--|--------------|--|
| PROJECT: Preliminary Site Assessment | | | | | | Sheet 2 of 4 | |
| CLIENT: Cooper Industries | | | | | | | |
| INTEGREYTED PROJECT NO: 0310025P | | | | | | | |
| DRILLING METHOD: | | H.S.A | | SAMPLER | | BIT SIZE | |
| DRILLING RIG: | | CME 45B | | 2' SS | | 4 1/4" ID | |
| DRILLER: | | Jeff Grant | | INSPECTOR: | | Scott Bryant | |
| DATE: | | 6/7/04 | | | | | |

| DEPTH
IN FT. | SAMPLE
NO. | BLOWS
PER
6" | REC. | PID
READING
(ppm) | SOIL DESCRIPTION | REMARKS |
|-----------------|---------------|--------------------|------|-------------------------|-------------------------------------------------------------------------|---------------------|
| 19.0 | 10 | 2 | 1.4 | 0.0 | Sand (f-m) some silt trace clay, gray-brown, fining downward, saturated | No odor or staining |
| 20.0 | | 3 | | | | |
| 21.0 | 11 | 1 | 1.2 | 0.0 | Same as above to 21' | |
| 22.0 | | 2 | | | 21-22' Silt some clay little sand (f), saturated, gray-brown. | |
| 23.0 | 12 | 2 | 1.3 | 0.0 | Silt and clay, gray-brown, soft, saturated | |
| 24.0 | | 2 | | | | |
| 25.0 | 13 | 3 | 0.8 | 0.0 | Silt and clay little sand (f), gray-brown, wet to saturated | |
| 26.0 | | 3 | | | | |
| 27.0 | 14 | 4 | 1.6 | 0.0 | Silt and clay, gray-brown, soft, saturated | |
| 28.0 | | 3 | | | | |
| 29.0 | 15 | 1 | 1.3 | 0.0 | Same as above | |
| 30.0 | | 2 | | | | |
| 31.0 | 16 | 0 | 1.2 | 0.0 | Clay some silt, gray-brown, wet, uniform | |
| 32.0 | | 0 | | | | |
| 33.0 | 17 | 1 | 1.4 | 0.0 | Clay little silt, gray-brown, wet, uniform | |
| 34.0 | | 1 | | | | |
| 35.0 | 18 | 0 | 1.6 | 0.0 | Same as above | |
| 36.0 | | 0 | | | | |

INTEGREYTED INTERNATIONAL, LLC
TEST BORING LOG
BORING NO.: MW-9B

Sheet 3 of 4

| PROJECT: Preliminary Site Assessment | | | | | | Sheet 3 of 4 | |
|--------------------------------------|---------------|--------------------|---------|-------------------------|--------------------------------------------------|---------------------|--------|
| CLIENT: Cooper Industries | | | | | | | |
| INTEGREYTED PROJECT NO: 0310025P | | | | | | | |
| DRILLING METHOD: | | H.S.A | SAMPLER | | BIT SIZE | CORE | CASING |
| DRILLING RIG: | | CME 45B | 2' SS | | 4 1/4" ID | NA | NA |
| DRILLER: | | Jeff Grant | | INSPECTOR: Scott Bryant | | DATE: 6/7/04 | |
| DEPTH
IN FT. | SAMPLE
NO. | BLOWS
PER
6" | REC. | PID
READING
(ppm) | SOIL DESCRIPTION | REMARKS | |
| 37.0 | 19 | 0 | 1.5 | 0.0 | Same as above, damp | No odor or staining | |
| 38.0 | | 0 | | | | | |
| 39.0 | 20 | 1 | 1.8 | 0.0 | Clay trace silt, gray, damp, uniform | | |
| 40.0 | | 0 | | | | | |
| 41.0 | 21 | 3 | 1.7 | 0.0 | Same as above | | |
| 42.0 | | 2 | | | | | |
| 43.0 | 22 | 2 | 1.8 | 0.0 | Same as above, more silt at bottom | | |
| 44.0 | | 3 | | | | | |
| 45.0 | 23 | 4 | 1.7 | 0.0 | Same as above | | |
| 46.0 | | 4 | | | | | |
| 47.0 | 24 | 4 | 1.4 | 0.0 | Same to 47.5' | | |
| 48.0 | | 7 | | | 47.5-48' Silt little clay, gray-brown, wet | | |
| 49.0 | 25 | 10 | 1.0 | 0.0 | Silt little clay, gray-brown, saturated, uniform | | |
| 50.0 | | 11 | | | | | |
| 51.0 | 26 | 0 | 0.5 | 0.0 | Same as above | | |
| 52.0 | | 0 | | | | | |
| 53.0 | 27 | 0 | 0.6 | 0.0 | Same as above | | |
| 54.0 | | 3 | | | | | |

INTEGREYTED INTERNATIONAL, LLC
TEST BORING LOG
BORING NO.: MW-9B

Sheet 4 of 4

| | | | | | | | | | |
|--------------------------------------|---------------|--------------------|------|-------------------------|----------------------------------------------------------------|--------------|------|--------|---------------------|
| PROJECT: Preliminary Site Assessment | | | | | | Sheet 4 of 4 | | | |
| CLIENT: Cooper Industries | | | | | | | | | |
| INTEGREYTED PROJECT NO: 0310025P | | | | | | | | | |
| DRILLING METHOD: | | H.S.A | | SAMPLER | | BIT SIZE | CORE | CASING | |
| DRILLING RIG: | | CME 45B | | 2' SS | | 4 1/4" ID | NA | NA | DATE: 6/7/04 |
| DRILLER: | | Jeff Grant | | INSPECTOR: Scott Bryant | | | | | |
| DEPTH
IN FT. | SAMPLE
NO. | BLOWS
PER
6" | REC. | PID
READING
(ppm) | SOIL DESCRIPTION | | | | REMARKS |
| 55.0 | 28 | 4 | 0.7 | 0.0 | Silt little sand (f) trace clay, gray-brown, saturated | | | | No odor or staining |
| 56.0 | | 4 | | | | | | | |
| | | 8 | | | | | | | |
| | | 6 | | | 57.0' | | | | |
| 57.0 | 29 | 7 | 1.2 | 0.0 | Sand (f-cs) trace silt trace gravel (f), gray-brown, saturated | | | | |
| | | 10 | | | | | | | |
| 58.0 | | 9 | | | | | | | |
| | | 6 | | | | | | | |
| 59.0 | 30 | 12 | 1.1 | 0.0 | Same as above, slightly coarser (more gravel, less silt) | | | | |
| | | 13 | | | | | | | |
| 60.0 | | 14 | | | | | | | |
| | | 18 | | | | | | | |
| 61.0 | 31 | 14 | 0.4 | 0.0 | Sand (f-cs) trace gravel (f), gray-brown, wet | | | | |
| | | 9 | | | | | | | |
| 62.0 | | 11 | | | | | | | |
| | | 18 | | | | | | | |
| 63.0 | 32 | 8 | 0.7 | 0.0 | Same as above | | | | |
| | | 8 | | | | | | | |
| 64.0 | | 11 | | | | | | | |
| | | 12 | | | | | | | |
| 65.0 | 33 | 9 | 1.0 | 0.0 | Sand (f-cs) trace silt, gray-brown, wet | | | | |
| | | 11 | | | | | | | |
| 66.0 | | 8 | | | | | | | |
| | | 9 | | | | | | | |
| 67.0 | 34 | 10 | 0.8 | 0.0 | Same as above | | | | |
| | | 12 | | | | | | | |
| 68.0 | | 11 | | | 68.0' | | | | |
| 69.0 | | | | | | | | | |
| 70.0 | | | | | Monitoring well set at 68', 10 ft of 0.01" screen, 58'-68' | | | | |
| | | | | | Sand pack 56'-68', Bentonite seal 54'-56', Concrete 0-54' | | | | |
| | | | | | Monitoring Well MW-9A | | | | |
| 71.0 | | | | | Monitoring well set at 14 ', 10 ft of 0.01" screen, 4'-14' | | | | |
| | | | | | Sand pack 3'-14', Bentonite seal 1'-3', Concrete 0-1' | | | | |
| 72.0 | | | | | | | | | |

INTEGREYTED INTERNATIONAL, LLC
TEST BORING LOG
BORING NO.: MW-10

Sheet 1 of 1

| PROJECT: Preliminary Site Assessment | | | | | Sheet 1 of 1 | |
|--------------------------------------|---------------|--------------------|-------------------------|-------------------------|-----------------------------------------------------------------------|-----------------------------------|
| CLIENT: Cooper Industries | | | | | | |
| INTEGREYTED PROJECT NO: 0310025P | | | | | | |
| DRILLING METHOD: | | H.S.A | SAMPLER | | BIT SIZE | CORE |
| DRILLING RIG: | | CME 45B | 2' SS | | 4 1/4" ID | NA |
| DRILLER: | | Jeff Grant | INSPECTOR: Scott Bryant | | CASING | NA |
| | | | | | | DATE: 6/9/04 |
| DEPTH
IN FT. | SAMPLE
NO. | BLOWS
PER
6" | REC. | PID
READING
(ppm) | SOIL DESCRIPTION | REMARKS |
| 1.0 | 1 | 5
11
50/0.3 | 0.9 | 0.0 | Sand (f-m) some silt little clay, damp to moist, organics, dark brown | |
| 2.0 | | -
10 | | | | |
| 3.0 | 2 | 7
4 | 0.4 | 2.0 | Sand (f-m) little silt, brown to black, moist, foundry sand | Fill
weak peat odor
WT @ 4' |
| 4.0 | | 3
2 | | | | |
| 5.0 | 3 | 2
1 | 0.1 | 5.0 | Peat and sand (f-m) little silt, saturated, black | weak peat odor |
| 6.0 | | 2
1 | | | | |
| 7.0 | 4 | 2
1 | 0.4 | 5.0 | Same as above | weak peat odor |
| 8.0 | | 1
2 | | | | |
| 9.0 | 5 | 1
1 | 0.5 | 0.0 | Peat some sand (f-m) little silt, saturated, brown | No odors or
staining |
| 10.0 | | 2
1 | | | | |
| 11.0 | 6 | 1
1 | 1.0 | 0.0 | Sand (f) and silt little clay, brown, organic rich, saturated | No odors or
staining |
| 12.0 | | 1
0 | | | | |
| 13.0 | 7 | 1
1 | 1.7 | 0.0 | Same as above, fining down | No odors or
staining |
| 14.0 | | 1 | | | | |
| 15.0 | | | | | EOB @ 14' | |
| 16.0 | | | | | Monitoring well set at 14' | |
| 17.0 | | | | | 10 ft of 0.01" screen, 4'-14' | |
| 18.0 | | | | | Sand pack 3'-14' | |
| | | | | | Bentonite seal 1'-3' | |
| | | | | | Concrete 0-1' | |

INTEGREYTED INTERNATIONAL, LLC
TEST BORING LOG
BORING NO.: MW-11B

Sheet 1 of 2

| | | | | | | | | | |
|--------------------------------------|--------|------------|------|-------------------------|----------------------------------------------------------------------|--------------|------|--------|----------------------|
| PROJECT: Preliminary Site Assessment | | | | | | Sheet 1 of 2 | | | |
| CLIENT: Cooper Industries | | | | | | | | | |
| INTEGREYTED PROJECT NO: 0310025P | | | | | | | | | |
| DRILLING METHOD: | | H.S.A | | SAMPLER | | BIT SIZE | CORE | CASING | |
| DRILLING RIG: | | CME 45B | | 2' SS | | 4 1/4" ID | NA | NA | DATE: 6/10/04 |
| DRILLER: | | Jeff Grant | | INSPECTOR: Scott Bryant | | | | | |
| DEPTH | SAMPLE | BLOWS | REC. | PID | SOIL DESCRIPTION | | | | REMARKS |
| IN FT. | NO. | PER 6" | | READING (ppm) | | | | | |
| 1.0 | 1 | 4 | 1.0 | 1.0 | Sand (f-m) little silt, black foundry sand and slag, organics, moist | | | | Fill |
| 2.0 | | 6 | | | | | | | Obvious peat odor |
| | | 6 | | | | | | | WT @ 3' |
| 3.0 | 2 | 10 | | | | | | | Fill |
| | | 10 | | | | | | | peat odor |
| 3.0 | 2 | 50/0.2 | 0.2 | 5.0 | Same as above, wet | | | | |
| 4.0 | | - | | | | | | | |
| | | - | | | | | | | |
| 5.0 | 3 | 6 | 0.4 | 80.0 | Same as above | | | | peat odor |
| 6.0 | | 4 | | | | | | | |
| | | 3 | | | | | | | |
| 7.0 | 4 | 3 | 0.3 | 60.0 | Same as above | | | | peat odor |
| 8.0 | | 4 | | | | | | | |
| | | 2 | | | | | | | |
| 9.0 | 5 | 3 | 1.3 | 5.0 | Sand (f-m and silt, black, wet, peat at bottom | | | | peat odor |
| 10.0 | | 1 | | | | | | | |
| | | 1 | | | | | | | |
| | | 1 | | | | | | | 11.0' |
| 11.0 | 6 | 2 | 1.0 | 2.0 | Peat, light to dark brown, wet | | | | weak peat odor |
| 12.0 | | 1 | | | | | | | |
| | | 2 | | | | | | | |
| | | 2 | | | | | | | |
| 13.0 | 7 | 1 | 1.0 | 0.0 | Same as above | | | | No odors or staining |
| 14.0 | | 1 | | | | | | | |
| | | 1 | | | | | | | |
| 15.0 | 8 | 2 | 0.0 | 0.0 | No recovery - drove rock | | | | |
| 16.0 | | 2 | | | | | | | |
| | | 2 | | | | | | | |
| | | 1 | | | | | | | 17.0' |
| 17.0 | 9 | 2 | 1.2 | 0.0 | 17-18' Sand (f-m) some silt trace clay, gray, saturated | | | | |
| 18.0 | | 2 | | | | | | | |
| | | 2 | | | | | | | |

INTEGREYTED INTERNATIONAL, LLC
TEST BORING LOG
BORING NO.: MW-11B

Sheet 2 of 2

| PROJECT: Preliminary Site Assessment | | | | | Sheet 2 of 2 | |
|--------------------------------------|---------------|-------------------------|------|-------------------------|-------------------------------------------------------------------------|---------------------|
| CLIENT: Cooper Industries | | | | | | |
| INTEGREYTED PROJECT NO: 0310025P | | | | | | |
| DRILLING METHOD: H.S.A | | SAMPLER | | BIT SIZE | CORE | CASING |
| DRILLING RIG: CME 45B | | 2' SS | | 4 1/4" ID | NA | NA |
| DRILLER: Jeff Grant | | INSPECTOR: Scott Bryant | | | | DATE: 6/10/04 |
| DEPTH
IN FT. | SAMPLE
NO. | BLOWS
PER
6" | REC. | PID
READING
(ppm) | SOIL DESCRIPTION | REMARKS |
| 19.0 | 10 | 0 | 0.2 | 0.0 | Silt and clay trace sand (f), gray, saturated | No odor or staining |
| 20.0 | | 0 | | | | |
| | | 3 | | | | |
| 21.0 | 11 | 1 | 1.2 | 0.0 | Sand (f-m) little silt, uniform, wet, gray-brown | |
| | | 3 | | | | |
| 22.0 | | 4 | | | | |
| | | 6 | | | | |
| 23.0 | 12 | 6 | 1.8 | 0.0 | Same as above, more silt at bottom, saturated | |
| | | 7 | | | | |
| 24.0 | | 6 | | | | |
| | | 5 | | | | |
| 25.0 | 13 | 6 | 1.6 | 0.0 | Sand (f-m) little silt, uniform, gray-brown, saturated | |
| | | 7 | | | | |
| 26.0 | | 8 | | | | |
| | | 9 | | | | |
| 27.0 | 14 | 7 | 1.7 | 0.0 | Same as above | |
| | | 9 | | | | |
| 28.0 | | 10 | | | | |
| | | 13 | | | | |
| 29.0 | 15 | 5 | 1.1 | 0.0 | 29.5-30' Sand (f-m) some silt trace gravel (f-m), hard, gray-brown, wet | |
| | | 6 | | | | |
| 30.0 | | 10 | | | | |
| | | 50/0.1' | | | | |
| 31.0 | 16 | 20 | 0.9 | 0.0 | Sand (f-m) little silt little gravel (f-cs), brown, wet, hard | |
| | | 22 | | | | |
| 32.0 | | 27 | | | | |
| | | 31 | | | | |
| 33.0 | 17 | | | | | |
| | | | | | | |
| 34.0 | | | | | | |
| | | | | | | |
| 35.0 | 18 | | | | | |
| | | | | | | |
| 36.0 | | | | | | |

EOB @ 33'

Monitoring well set at 32', 10 ft of 0.01" screen, 22'-32'
Sand pack 20'-32', Bentonite seal 18'-20', Concrete 0-18'

Monitoring Well MW-11A

Monitoring well set at 14', 10 ft of 0.01" screen, 4'-14'
Sand pack 3'-14', Bentonite seal 1'-3', Concrete 0-1'

DELTA ENVIRONMENTAL CONSULTANTS, INC.
TEST BORING LOG
BORING NO.: MW-12A

| | | | | | | | | | |
|--------------------------------------|---------------|--------------------|------|----------------------------|------------------------------------------------------------------|--------------|------|--------|---------------|
| PROJECT: Preliminary Site Assessment | | | | | | Sheet 1 of 1 | | | |
| CLIENT: Cooper Industries | | | | | | | | | |
| DELTA PROJECT NO: 0310025P | | | | | | | | | |
| DRILLING METHOD: | | H.S.A | | SAMPLER | | BIT SIZE | CORE | CASING | |
| DRILLING RIG: | | CME 45B | | 2' SS | | 4 1/4" ID | NA | NA | DATE: 11/9/05 |
| DRILLER: | | Lyon Drilling | | INSPECTOR: Mark Schumacher | | | | | |
| DEPTH
IN FT. | SAMPLE
NO. | BLOWS
PER
6" | REC. | PID
READING
(ppm) | SOIL DESCRIPTION | | | | REMARKS |
| | 1 | 1 | 0.7 | 0.0 | Brown, Topsoil, moist | | | | |
| 1.0 | | 2 | | | 1.0' | | | | |
| | | 2 | | 0.0 | Black, fine, Foundry Sand, moist, no odor | | | | |
| 2.0 | | 4 | | | 2.5' | | | | |
| | 2 | 4 | 1.3 | 0.0 | Same as above | | | | |
| 3.0 | | 6 | | 0.0 | Gray, Clay, moist, slight degraded petroleum odor | | | | |
| | | 7 | | | 4.0' | | | | |
| 4.0 | | 5 | | | 6.0' | | | | |
| | 3 | 6 | 1.2 | 5.4 | Black, fine, Foundry Sand, moist, slight degraded petroleum odor | | | | |
| 5.0 | | 9 | | | 8.0' | | | | |
| | | 7 | | | 10.0' | | | | |
| 6.0 | | 7 | | | 12.5' | | | | |
| | 4 | 6 | 0.6 | 2.2 | Dark Brown, Peat, wet | | | | |
| 7.0 | | 7 | | | 15.0' | | | | |
| | | 5 | | | Boring terminated at 15.0' | | | | |
| 8.0 | | 5 | | | Monitoring well set at 15' | | | | |
| | 5 | 1 | 0.5 | 0.0 | 10 ft of 0.01" screen, 5'-15' | | | | |
| 9.0 | | 3 | | | Sand pack 4'-15' | | | | |
| | | 4 | | | Bentonite seal 2'-4' | | | | |
| 10.0 | | 5 | | | Concrete 0-2' | | | | |
| | 6 | 3 | 1.3 | 0.0 | | | | | |
| 11.0 | | 5 | | | | | | | |
| | | 4 | | | | | | | |
| 12.0 | | 7 | | | | | | | |
| | 7 | 6 | 1.7 | 0.0 | | | | | |
| 13.0 | | 5 | | 0.0 | | | | | |
| | | 3 | | | | | | | |
| 14.0 | | 3 | | | | | | | |
| | 8 | 1 | 0.4 | 0.0 | | | | | |
| 15.0 | | 2 | | | | | | | |
| | | | | | | | | | |
| 16.0 | | | | | | | | | |
| | | | | | | | | | |
| 17.0 | | | | | | | | | |
| | | | | | | | | | |
| 18.0 | | | | | | | | | |

DELTA ENVIRONMENTAL CONSULTANTS, INC.
TEST BORING LOG
BORING NO.: MW-12B

| PROJECT: Preliminary Site Assessment | | | | | | Sheet 1 of 4 | | | |
|--------------------------------------|---------------|--------------------|------|-----------------------------|----------------------------------------------------------------------------------------------------------|--------------|------|---------|---------------|
| CLIENT: Cooper Industries | | | | | | | | | |
| DELTA PROJECT NO: 0310025P | | | | | | | | | |
| DRILLING METHOD: | | H.S.A | | SAMPLER | | BIT SIZE | CORE | CASING | |
| DRILLING RIG: | | CME 45B | | 2' SS | | 4 1/4" ID | NA | NA | DATE: 11/8/05 |
| DRILLER: | | Lyon Drilling | | INSPECTOR: Jennifer L. Hull | | | | | |
| DEPTH
IN FT. | SAMPLE
NO. | BLOWS
PER
6" | REC. | PID
READING
(ppm) | SOIL DESCRIPTION | | | REMARKS | |
| | 1 | 1 | 0.7 | 0.0 | Brown, Topsoil, moist | | | | |
| 1.0 | | 2 | | | | | | 1.0' | |
| | | 2 | | 0.0 | Black, fine, Foundry Sand, moist, no odor | | | | |
| 2.0 | | 4 | | | | | | | |
| | 2 | 4 | 1.3 | 0.0 | Same as above | | | 2.5' | |
| 3.0 | | 6 | | 0.0 | Gray, Clay, moist, slight degraded petroleum odor | | | | |
| | | 7 | | | | | | | |
| 4.0 | | 5 | | | | | | 4.0' | |
| | 3 | 6 | 1.2 | 5.4 | Black, fine, Foundry Sand, moist, slight degraded petroleum odor | | | | |
| 5.0 | | 9 | | | | | | | |
| | | 7 | | | | | | | |
| 6.0 | | 7 | | | | | | 6.0' | |
| | 4 | 6 | 0.6 | 2.2 | Gray, medium, Gravel Fill with some plastic and metal debris, wet, slight degraded petroleum odor | | | | |
| 7.0 | | 7 | | | | | | | |
| | | 5 | | | | | | | |
| 8.0 | | 5 | | | | | | 8.0' | |
| | 5 | 1 | 0.5 | 0.0 | Black, fine, Foundry Sand, wet, slight degraded petroleum odor, slight sheen on materials | | | | |
| 9.0 | | 3 | | | | | | | |
| | | 4 | | | | | | | |
| 10.0 | | 5 | | | | | | 10.0' | |
| | 6 | 3 | 1.3 | 0.0 | Gray, medium, Sand and Gravel Fill, saturated, slight degraded petroleum odor, slight sheen on materials | | | | |
| 11.0 | | 5 | | | | | | | |
| | | 4 | | | | | | | |
| 12.0 | | 7 | | | | | | | |
| | 7 | 6 | 1.7 | 0.0 | Same as above | | | 12.5' | |
| 13.0 | | 5 | | 0.0 | Dark Brown, Peat, wet | | | | |
| | | 3 | | | | | | | |
| 14.0 | | 3 | | | | | | | |
| | 8 | 1 | 0.4 | 0.0 | Same as above | | | | |
| 15.0 | | 2 | | | | | | | |
| | | 2 | | | | | | | |
| 16.0 | | 2 | | | | | | | |
| | 9 | 2 | 1.0 | 0.0 | Same as above | | | | |
| 17.0 | | 3 | | | | | | | |
| | | 3 | | | | | | | |
| 18.0 | | 2 | | | | | | | |

DELTA ENVIRONMENTAL CONSULTANTS, INC.

TEST BORING LOG

BORING NO.: MW-12B

| | | | | | | | |
|--------------------------------------|---------------|--------------------|------|-----------------------------|-----------------------------------------------------|--------------|---------|
| PROJECT: Preliminary Site Assessment | | | | | | Sheet 2 of 4 | |
| CLIENT: Cooper Industries | | | | | | | |
| DELTA PROJECT NO: 0310025P | | | | | | | |
| DRILLING METHOD: | | H.S.A | | SAMPLER | | BIT SIZE | |
| DRILLING RIG: | | CME 45B | | 2' SS | | 4 1/4" ID | |
| DRILLER: | | Lyon Drilling | | INSPECTOR: Jennifer L. Hull | | DATE:11/8/05 | |
| DEPTH
IN FT. | SAMPLE
NO. | BLOWS
PER
6" | REC. | PID
READING
(ppm) | SOIL DESCRIPTION | | REMARKS |
| | 10 | 1 | 2.0 | 0.0 | Same as above with trace calcareous shells | | |
| 19.0 | | 2 | | | | | |
| | | 3 | | | | | |
| 20.0 | | 3 | | | | | |
| | 11 | 1 | 1.0 | 0.0 | Same as above | | |
| 21.0 | | 1 | | | | | |
| | | 1 | | | | | |
| 22.0 | | 1 | | | 22.0' | | |
| | 12 | 1 | 1.2 | 0.0 | Light brown, Peat with some fine sand and silt, wet | | |
| 23.0 | | 2 | | | | | |
| | | 2 | | | | | |
| 24.0 | | 2 | | | 24.0' | | |
| | 13 | 1 | 1.0 | 0.0 | Fine Sand and medium Gravel, saturated | | |
| 25.0 | | 1 | | | | | |
| | | 5 | | | | | |
| 26.0 | | 3 | | | | | |
| | 14 | 3 | 1.4 | 0.0 | Same as above | | |
| 27.0 | | 4 | | | | | |
| | | 5 | | | | | |
| 28.0 | | 12 | | | | | |
| | 15 | 9 | 0.8 | 0.0 | Same as above | | |
| | | | | | 28.5' | | |
| 29.0 | | 7 | | 0.0 | Light brown, Peat with some fine sand and silt, wet | | |
| | | 4 | | | | | |
| 30.0 | | 3 | | | | | |
| | 16 | 1 | 1.8 | 0.0 | Same as above | | |
| 31.0 | | 1 | | | 31.0' | | |
| | | 1 | | 0.0 | Light brown, Silt and Clay, soft, wet | | |
| 32.0 | | 1 | | | | | |
| | 17 | 2 | 1.5 | 0.0 | Same as above | | |
| 33.0 | | 2 | | | | | |
| | | 1 | | | | | |
| 34.0 | | 1 | | | | | |
| | 18 | 1 | 1.7 | 0.0 | Same as above with trace fine sand | | |
| 35.0 | | 1 | | | | | |
| | | 1 | | | | | |
| 36.0 | | 2 | | | | | |

DELTA ENVIRONMENTAL CONSULTANTS, INC.
TEST BORING LOG
BORING NO.: MW-12B

| | | | | | | | | | |
|--------------------------------------|---------------|--------------------|------|-----------------------------|-------------------------------------------------------------------|--------------|------|--------|----------------|
| PROJECT: Preliminary Site Assessment | | | | | | Sheet 3 of 4 | | | |
| CLIENT: Cooper Industries | | | | | | | | | |
| DELTA PROJECT NO: 0310025P | | | | | | | | | |
| DRILLING METHOD: | | H.S.A | | SAMPLER | | BIT SIZE | CORE | CASING | |
| DRILLING RIG: | | CME 45B | | 2' SS | | 4 1/4" ID | NA | NA | DATE: 11/08/05 |
| DRILLER: | | Lyon Drilling | | INSPECTOR: Jennifer L. Hull | | | | | |
| DEPTH
IN FT. | SAMPLE
NO. | BLOWS
PER
6" | REC. | PID
READING
(ppm) | SOIL DESCRIPTION | | | | REMARKS |
| | | | | | | | | | |
| | 19 | 1 | 1.5 | 0.0 | Same as above | | | | |
| 37.0 | | 1 | | | | | | | |
| | | 1 | | | | | | | |
| 38.0 | | 1 | | | Same as above | | | | |
| | 20 | 5 | 0.2 | 0.0 | | | | | |
| 39.0 | | 4 | | | | | | | |
| | | 3 | | | 40.0' | | | | |
| 40.0 | | 3 | | | | | | | |
| | 21 | 3 | 1.5 | 0.0 | | | | | |
| | | 2 | | | Light brown, Silt and fine Sand with trace fine gravel, saturated | | | | |
| 41.0 | | 2 | | | | | | | |
| | | 3 | | | | | | | |
| 42.0 | | 1 | | | 42.0' | | | | |
| | 22 | 1 | 1.2 | 0.0 | | | | | |
| | | 2 | | | | | | | |
| 43.0 | | 2 | | | Light brown, Silt and Clay with trace fine sand, saturated | | | | |
| | | 1 | | | | | | | |
| 44.0 | | 2 | | | | | | | |
| | 23 | 1 | 1.7 | 0.0 | Same as above with no fine sand | | | | |
| 45.0 | | 1 | | | | | | | |
| | | 1 | | | | | | | |
| 46.0 | | 1 | | | Same as above with trace fine sand | | | | |
| | 24 | 1 | 1.6 | 0.0 | | | | | |
| 47.0 | | 1 | | | | | | | |
| | | 2 | | | Same as above with some fine sand | | | | |
| 48.0 | | 4 | | | | | | | |
| | 25 | 1 | 1.5 | 0.0 | | | | | |
| 49.0 | | 2 | | | Same as above | | | | |
| | | 5 | | | | | | | |
| 50.0 | | 4 | | | | | | | |
| | 26 | 1 | 1.2 | 0.0 | 51.0' | | | | |
| 51.0 | | 2 | | | | | | | |
| | | 3 | | 0.0 | | | | | |
| | | 20 | | | Light brown, fine to medium Sand, saturated | | | | |
| 52.0 | | 20 | | | | | | | |
| | 27 | 6 | 1.5 | 0.0 | | | | | |
| | | 3 | | 0.0 | 52.5' | | | | |
| 53.0 | | 3 | | | | | | | |
| | | 5 | | | | | | | |
| 54.0 | | 8 | | | Light brown, fine to medium, Sand and gray, fine, Gravel | | | | |
| | | | | | | | | | |
| | | | | | | | | | |

DELTA ENVIRONMENTAL CONSULTANTS, INC.
TEST BORING LOG
BORING NO.: MW-12B

| | | | | | | |
|--------------------------------------|---------------|--------------------|------|-----------------------------|-------------------------------------------------------------------------------------------------------------------------|--------------|
| PROJECT: Preliminary Site Assessment | | | | | | Sheet 4 of 4 |
| CLIENT: Cooper Industries | | | | | | |
| DELTA PROJECT NO: 0310025P | | | | | | |
| DRILLING METHOD: | | H.S.A | | SAMPLER | BIT SIZE | CORE CASING |
| DRILLING RIG: | | CME 45B | | 2' SS | 4 1/4" ID | NA NA |
| DRILLER: | | Lyon Drilling | | INSPECTOR: Jennifer L. Hull | | |
| DEPTH
IN FT. | SAMPLE
NO. | BLOWS
PER
6" | REC. | PID
READING
(ppm) | SOIL DESCRIPTION | |
| | 28 | 4 | 0.7 | 0.0 | 54.5' | |
| 55.0 | | 5 | | 0.0 | | |
| | | 34 | | | Brown, medium to coarse, Sand with some gray, fine, gravel, saturated | |
| 56.0 | | 26 | | | | |
| | 29 | 50/3 | 1.2 | 0.0 | Same as above | |
| 57.0 | | NA | | | | |
| | | NA | | | Auger grinding
into cobble or
boulder 56'-58' | |
| 58.0 | | NA | | | | |
| | 30 | 21 | 1.1 | 0.0 | Same with fine to medium gravel | |
| 59.0 | | 39 | | | | |
| | | 35 | | | Same with medium to coarse gravel | |
| 60.0 | | NA | | | | |
| | 31 | 50 | 0.4 | 0.0 | Same as above | |
| 61.0 | | 36 | | | | |
| | | 26 | | | Same as above | |
| 62.0 | | 25 | | | | |
| | 32 | NA | 0.7 | 0.0 | 64.0' | |
| 63.0 | | NA | | | | |
| | | NA | | | Boring terminated at 64.0' | |
| 64.0 | | NA | | | | |
| 65.0 | | | | | Monitoring well set at 64', 10 ft of 0.01" screen, 54'-64'
Sand pack 52'-64', Bentonite seal 47'-52', Concrete 0-47' | |
| | | | | | | |
| 66.0 | | | | | | |
| | | | | | | |
| 67.0 | | | | | | |
| | | | | | | |
| 68.0 | | | | | | |
| | | | | | | |
| 69.0 | | | | | | |
| | | | | | | |
| 70.0 | | | | | | |
| | | | | | | |
| 71.0 | | | | | | |
| 72.0 | | | | | | |

DELTA ENVIRONMENTAL CONSULTANTS, INC.

TEST BORING LOG

BORING NO.: MW-13

| | | | | | | | |
|--------------------------------------|---------------|--------------------|------|-----------------------------|---------------------------------------------------------------------------|--------------|---------|
| PROJECT: Preliminary Site Assessment | | | | | | Sheet 1 of 1 | |
| CLIENT: Cooper Industries | | | | | | | |
| DELTA PROJECT NO: 0310025P | | | | | | | |
| DRILLING METHOD: | | H.S.A | | SAMPLER | BIT SIZE | CORE | CASING |
| DRILLING RIG: | | CME 45B | | 2' SS | 4 1/4" ID | NA | NA |
| DRILLER: | | Lyon Drilling | | INSPECTOR: Jennifer L. Hull | | | |
| DEPTH
IN FT. | SAMPLE
NO. | BLOWS
PER
6" | REC. | PID
READING
(ppm) | SOIL DESCRIPTION | | REMARKS |
| | | | | | | | |
| | 1 | 2 | 1.7 | 0.0 | Black, fine, Foundry Sand, moist, no odors | | |
| 1.0 | | 3 | | | | | |
| | | 5 | | | | | |
| 2.0 | | 6 | | | Same as above, dry, slight degraded petroleum odor | | |
| | 2 | 9 | 1.6 | 0.9 | | | |
| 3.0 | | 16 | | | | | |
| | | 21 | | | Same as above, moist | | |
| 4.0 | | 20 | | | | | |
| | 3 | 13 | 1.5 | 5.5 | | | |
| 5.0 | | 21 | | | Same as above, no odors | | |
| | | 23 | | | | | |
| 6.0 | | 43 | | | | | |
| | 4 | 21 | 1.6 | 0.0 | Gray, medium, Sand and Gravel fill, moist, slight degraded petroleum odor | | |
| 7.0 | | 13 | | | | | |
| | | 14 | | | | | |
| 8.0 | | 22 | | | 7.5' | | |
| | 5 | 11 | 0.8 | 0.0 | 8.5' | | |
| 9.0 | | 12 | | 0.0 | Black, fine, Foundry Sand, saturated, slight degraded petroleum odor | | |
| | | 6 | | | | | |
| 10.0 | | 5 | | | | | |
| | 6 | 4 | 0.8 | 0.0 | Same as above with trace wood debris | | |
| 11.0 | | 18 | | | | | |
| | | 6 | | | | | |
| 12.0 | | 3 | | | Same as above with trace wood and plastic debris | | |
| | 7 | 3 | 1.2 | 15.7 | | | |
| 13.0 | | 8 | | | | | |
| | | 38 | | | Boring terminated at 14.0' | | |
| 14.0 | | 5 | | | | | |
| | | | | | | | |
| 15.0 | | | | | Monitoring well set at 14 ' | | |
| | | | | | | | |
| 16.0 | | | | | | | |
| | | | | | 10 ft of 0.01" screen, 4'-14' | | |
| 17.0 | | | | | | | |
| | | | | | | | |
| | | | | | Sand pack 3'-14' | | |
| | | | | | | | |
| | | | | | Bentonite seal 2'-3' | | |
| | | | | | | | |
| 18.0 | | | | | Concrete 0-2' | | |
| | | | | | | | |

DELTA ENVIRONMENTAL CONSULTANTS, INC.

TEST BORING LOG

BORING NO.: MW-14

| | | | | | | | |
|--------------------------------------|---------------|--------------------|------|-----------------------------|---------------------------------------------------------------------|---------------|---------|
| PROJECT: Preliminary Site Assessment | | | | | | Sheet 1 of 1 | |
| CLIENT: Cooper Industries | | | | | | | |
| DELTA PROJECT NO: 0310025P | | | | | | | |
| DRILLING METHOD: | | H.S.A | | SAMPLER | | BIT SIZE | |
| DRILLING RIG: | | CME 45B | | 2' SS | | 4 1/4" ID | |
| DRILLER: | | Lyon Drilling | | INSPECTOR: Jennifer L. Hull | | DATE: 11/2/05 | |
| DEPTH
IN FT. | SAMPLE
NO. | BLOWS
PER
6" | REC. | PID
READING
(ppm) | SOIL DESCRIPTION | | REMARKS |
| | 1 | 1 | 0.8 | 1.5 | Brown, Topsoil, moist, no odors | | 0.5' |
| 1.0 | | 5 | | 1.5 | Black, fine, Foundry Sand with some medium, Gravel, moist, no odors | | |
| | | 11 | | | | | |
| 2.0 | | 15 | | | | | |
| | 2 | 23 | 1.0 | 1.7 | Same as above | | |
| 3.0 | | 20 | | | Same as above with trace yellow fill material and trace slag, | | |
| | | 20 | | | moist | | |
| 4.0 | | 19 | | | | | |
| | 3 | 1 | 1.3 | 1.8 | | | |
| 5.0 | | 1 | | | Same as above with no Fill, saturated and with slight degraded | | |
| | | 1 | | | petroleum odor | | |
| 6.0 | | 4 | | | | | |
| | 4 | 1 | 1.5 | 0.0 | Same as above, no odors | | |
| 7.0 | | 1 | | | | | |
| | | 1 | | | | | |
| 8.0 | | 1 | | | | | |
| | 5 | 1 | 1.8 | 0.0 | Same as above, slight degraded petroleum odor | | |
| 9.0 | | 1 | | | | | |
| | | 1 | | | | | |
| 10.0 | | 1 | | | | | |
| | 6 | 1 | 1.7 | 0.0 | Same as above, trace slag | | |
| 11.0 | | 2 | | | | | |
| | | 2 | | | | | |
| 12.0 | | 2 | | | | | |
| | 7 | 1 | 1.0 | 0.0 | Same as above | | 12.5' |
| 13.0 | | 1 | | 0.0 | Brown, Peat with some light gray organic material, damp | | |
| | | 2 | | | | | |
| 14.0 | | 1 | | | | | |
| | | | | | | | |
| | | | | | Boring terminated at 14.0' | | |
| 15.0 | | | | | | | |
| | | | | | | | |
| 16.0 | | | | | Monitoring well set at 14 ' | | |
| | | | | | 10 ft of 0.01" screen, 4'-14' | | |
| 17.0 | | | | | Sand pack 3'-14' | | |
| | | | | | Bentonite seal 2'-3' | | |
| 18.0 | | | | | Concrete 0-2' | | |

DELTA ENVIRONMENTAL CONSULTANTS, INC.

TEST BORING LOG

BORING NO.: OW-1

| PROJECT: Preliminary Site Assessment | | | | | | Sheet 1 of 1 | |
|--------------------------------------|---------------|--------------------|------|-------------------------|------------------------------------------------------------------|------------------|--|
| CLIENT: Cooper Industries | | | | | | | |
| DELTA PROJECT NO: 0310025P | | | | | | | |
| DRILLING METHOD: | | H.S.A | | SAMPLER | | BIT SIZE | |
| DRILLING RIG: | | CME 45B | | 2' SS | | 4 1/4" ID | |
| DRILLER: | | Lyon Drilling | | INSPECTOR: | | Jennifer L. Hull | |
| DATE: | | | | | | 11/3/05 | |
| DEPTH
IN FT. | SAMPLE
NO. | BLOWS
PER
6" | REC. | PID
READING
(ppm) | SOIL DESCRIPTION | REMARKS | |
| | 1 | 2 | 1.3 | 0.0 | Black, fine, Foundry Sand, moist, slight degraded petroleum odor | | |
| 1.0 | | 3 | | | | | |
| | | 6 | | | | | |
| 2.0 | | 10 | | | | | |
| | 2 | 8 | 1.2 | 5.5 | Same as above with trace gray, medium gravel and trace slag | | |
| 3.0 | | 5 | | | | | |
| | | 17 | | | | | |
| 4.0 | | 30 | | | | | |
| | 3 | 0 | 0.7 | 0.5 | Saturated at 4.0' | | |
| 5.0 | | 6 | | | | | |
| | | 3 | | | | | |
| 6.0 | | 3 | | | | | |
| | 4 | 4 | 0.8 | 0.0 | Same as above | | |
| 7.0 | | 32 | | | | | |
| | | 2 | | | | | |
| 8.0 | | 1 | | | | | |
| | 5 | 1 | 1.2 | 0.0 | Same as above | | |
| 9.0 | | 1 | | | Brown, Peat, damp, no odors | | |
| | | 2 | | | | | |
| 10.0 | | 1 | | | | | |
| | 6 | 1 | 0.3 | 0.0 | Same as above | | |
| 11.0 | | 2 | | | | | |
| | | 2 | | | | | |
| 12.0 | | 2 | | | | 12.0' | |
| | | | | | Boring terminated at 12.0' | | |
| 13.0 | | | | | | | |
| | | | | | | | |
| 14.0 | | | | | | | |
| | | | | | | | |
| 15.0 | | | | | | | |
| | | | | | | | |
| 16.0 | | | | | Monitoring well set at 12' | | |
| | | | | | 10 ft of 0.01" screen, 2'-12' | | |
| 17.0 | | | | | Sand pack 1.5'-12' | | |
| | | | | | Bentonite seal 0.5'-1.5" | | |
| 18.0 | | | | | Concrete 0-0.5' | | |

DELTA ENVIRONMENTAL CONSULTANTS, INC.

TEST BORING LOG

BORING NO.: OW-2

| PROJECT: Preliminary Site Assessment | | | | | | Sheet 1 of 1 | |
|--------------------------------------|---------------|--------------------|------|-------------------------|----------------------------------------------------------------------------|------------------|--|
| CLIENT: Cooper Industries | | | | | | | |
| DELTA PROJECT NO: 0310025P | | | | | | | |
| DRILLING METHOD: | | H.S.A | | SAMPLER | | BIT SIZE | |
| DRILLING RIG: | | CME 45B | | 2' SS | | 4 1/4" ID | |
| DRILLER: | | Lyon Drilling | | INSPECTOR: | | Jennifer L. Hull | |
| DATE: | | | | | | 11/3/05 | |
| DEPTH
IN FT. | SAMPLE
NO. | BLOWS
PER
6" | REC. | PID
READING
(ppm) | SOIL DESCRIPTION | REMARKS | |
| | 1 | 1 | 1.0 | 0.0 | Black, fine, Foundry Sand with trace wood and trace metal, moist, no odors | | |
| 1.0 | | 2 | | | | | |
| | | 3 | | | | | |
| 2.0 | | 5 | | | | | |
| | 2 | 4 | 0.4 | 0.0 | Same as above with trace plastic | | |
| 3.0 | | 2 | | | | | |
| | | 2 | | | | | |
| 4.0 | | 2 | | | | | |
| | 3 | 4 | 0.8 | 0.0 | Saturated at 4.0' | | |
| 5.0 | | 6 | | | | | |
| | | 2 | | | | | |
| 6.0 | | 2 | | | | | |
| | 4 | 4 | 0.0 | 0.0 | Same as above | | |
| 7.0 | | 4 | | | | | |
| | | 3 | | | | | |
| 8.0 | | 3 | | | | | |
| | 5 | 1 | 0.8 | 0.0 | Same as above | | |
| 9.0 | | 1 | | | 9.0' | | |
| | | 1 | | 0.0 | Dark brown, Peat, damp, no odors | | |
| 10.0 | | 2 | | | | | |
| | 6 | 1 | 1.0 | 0.0 | Same as above | | |
| 11.0 | | 2 | | | | | |
| | | 1 | | | | | |
| 12.0 | | 2 | | | 12.0' | | |
| | | | | | Boring terminated at 12.0' | | |
| 13.0 | | | | | | | |
| | | | | | | | |
| 14.0 | | | | | | | |
| | | | | | | | |
| 15.0 | | | | | | | |
| | | | | | | | |
| 16.0 | | | | | Monitoring well set at 12' | | |
| | | | | | 10 ft of 0.01" screen, 2'-12' | | |
| 17.0 | | | | | Sand pack 1.5'-12' | | |
| | | | | | Bentonite seal 0.5'-1.5" | | |
| 18.0 | | | | | Concrete 0-0.5' | | |

DELTA ENVIRONMENTAL CONSULTANTS, INC.

TEST BORING LOG

BORING NO.: OW-3

| | | | | | | |
|--------------------------------------|---------------|--------------------|------|-----------------------------|------------------------------------------------------------------|--------------|
| PROJECT: Preliminary Site Assessment | | | | | | Sheet 1 of 1 |
| CLIENT: Cooper Industries | | | | | | |
| DELTA PROJECT NO: 0310025P | | | | | | |
| DRILLING METHOD: | | H.S.A | | SAMPLER | BIT SIZE | CORE CASING |
| DRILLING RIG: | | CME 45B | | 2' SS | 4 1/4" ID | NA NA |
| DRILLER: | | Lyon Drilling | | INSPECTOR: Jennifer L. Hull | | |
| DEPTH
IN FT. | SAMPLE
NO. | BLOWS
PER
6" | REC. | PID
READING
(ppm) | SOIL DESCRIPTION | REMARKS |
| | 1 | 4 | 1.0 | 4.0 | Black, fine, Foundry Sand, moist, slight degraded petroleum odor | |
| 1.0 | | 7 | | | | |
| | | 12 | | | | |
| 2.0 | | 6 | | | | |
| | 2 | 3 | 1.0 | 12.1 | Same as above with trace brown, sand fill and trace plastic | |
| 3.0 | | 4 | | | | |
| | | 5 | | | | |
| 4.0 | | 6 | | | | |
| | 3 | 1 | 1.6 | 7.4 | Same as above | |
| 5.0 | | 2 | | | | |
| | | 6 | | | | |
| 6.0 | | 4 | | | | |
| | 4 | 5 | 1.2 | 2.4 | Saturated at 6.0' | |
| 7.0 | | 4 | | | | |
| | | 3 | | | | |
| 8.0 | | 3 | | | | |
| | 5 | 1 | 0.5 | 0.0 | Same as above with trace plastic, slight oily sheen | |
| 9.0 | | 1 | | | | |
| | | 4 | | | | |
| 10.0 | | 3 | | | | |
| | 6 | 1 | 1.0 | 0.0 | Same as above | |
| 11.0 | | 2 | | | | |
| | | 3 | | | | |
| 12.0 | | 3 | | | 12.0' | |
| | | | | | Boring terminated at 12.0' | |
| 13.0 | | | | | | |
| | | | | | | |
| 14.0 | | | | | | |
| | | | | | | |
| 15.0 | | | | | | |
| | | | | | | |
| 16.0 | | | | | Monitoring well set at 12' | |
| | | | | | 10 ft of 0.01" screen, 2'-12' | |
| 17.0 | | | | | Sand pack 1.5'-12' | |
| | | | | | Bentonite seal 0.5'-1.5" | |
| 18.0 | | | | | Concrete 0-0.5' | |

DELTA ENVIRONMENTAL CONSULTANTS, INC.
TEST BORING LOG
BORING NO.: OW-4

| | | | | | | |
|--------------------------------------|---------------|--------------------|------|-----------------------------|-------------------------|--------------|
| PROJECT: Preliminary Site Assessment | | | | | | Sheet 1 of 1 |
| CLIENT: Cooper Industries | | | | | | |
| DELTA PROJECT NO: 0310025P | | | | | | |
| DRILLING METHOD: | | H.S.A | | SAMPLER | BIT SIZE | CORE CASING |
| DRILLING RIG: | | CME 45B | | 2' SS | 4 1/4" ID | NA NA |
| DRILLER: | | Lyon Drilling | | INSPECTOR: Jennifer L. Hull | | |
| DEPTH
IN FT. | SAMPLE
NO. | BLOWS
PER
6" | REC. | PID
READING
(ppm) | SOIL DESCRIPTION | |
| | | | | | | |
| | 1 | 2 | 1.4 | 0.0 | 0.5' | |
| 1.0 | | 2 | | 0.0 | | |
| | | 6 | | | | |
| 2.0 | | 7 | | | | |
| | 2 | 4 | 0.6 | 0.0 | 10.5' | |
| 3.0 | | 8 | | | | |
| | | 6 | | | | |
| 4.0 | | 7 | | | | |
| | 3 | 2 | 0.9 | 0.0 | 12.0' | |
| 5.0 | | 2 | | | | |
| | | 2 | | | | |
| 6.0 | | 2 | | | | |
| | 4 | 2 | 1.6 | 0.0 | 12.0' | |
| 7.0 | | 2 | | | | |
| | | 1 | | | | |
| 8.0 | | 2 | | | | |
| | 5 | 1 | 1.9 | 0.0 | 12.0' | |
| 9.0 | | 1 | | | | |
| | | 2 | | | | |
| 10.0 | | 4 | | | | |
| | 6 | 1 | 1.3 | 0.0 | 12.0' | |
| 11.0 | | 1 | | 0.0 | | |
| | | 3 | | | | |
| 12.0 | | 3 | | | | |
| | | | | | 12.0' | |
| 13.0 | | | | | | |
| | | | | | | |
| 14.0 | | | | | | |
| | | | | | | |
| 15.0 | | | | | | |
| | | | | | 12.0' | |
| 16.0 | | | | | | |
| | | | | | | |
| 17.0 | | | | | | |
| | | | | | 12.0' | |
| 18.0 | | | | | | |

INTEGREYTED INTERNATIONAL, LLC

TEST PIT LOG

BORING NO.: TP-1

Sheet 1 of 1

| | | | | | | |
|----------------------------------|--|--|--|--------------|----------------------------------------------------------------------------|-------------------------|
| PROJECT: Crouse-Hinds | | | | | Sheet 1 of 1 | |
| CLIENT: Cooper Industries, Inc. | | | | | | |
| INTEGREYTED PROJECT NO: 0310025P | | | | | | |
| EXCAVATION METHOD: Backhoe | | | | | | |
| | | | | | DATE: 6-7-04 | |
| CONTRACTOR: PEC | | | | | INSPECTOR: Mark J Schumacher | |
| DEPTH
IN FT. | | | | PID
(ppm) | SOIL DESCRIPTION | REMARKS |
| | | | | 2 | Black, Fill (foundry sand, brick, tr. Wood, slag, metal debris), oily odor | Sample TP-1
1' - 11' |
| 1.0 | | | | | | |
| 2.0 | | | | | | |
| 3.0 | | | | | | |
| 4.0 | | | | | | |
| 5.0 | | | | | | |
| | | | | 2 | wet | |
| 6.0 | | | | | | |
| 7.0 | | | | | | |
| 8.0 | | | | | | |
| 9.0 | | | | | | |
| 10.0 | | | | | | |
| 11.0 | | | | | | |
| 12.0 | | | | | 12.0' | |
| | | | | 0 | Peat | |
| 13.0 | | | | | End Excavation 12.5' | |
| 14.0 | | | | | | |
| 15.0 | | | | | | |
| 16.0 | | | | | | |
| 17.0 | | | | | | |
| 18.0 | | | | | | |

INTEGREYTED INTERNATIONAL, LLC

TEST PIT LOG

BORING NO.: TP-2

Sheet 1 of 1

| | | | | | | |
|----------------------------------|--|--|--|--------------|---------------------------------------------------------------------|------------------------|
| PROJECT: Crouse-Hinds | | | | | Sheet 1 of 1 | |
| CLIENT: Cooper Industries, Inc. | | | | | | |
| INTEGREYTED PROJECT NO: 0310025P | | | | | | |
| EXCAVATION METHOD: Backhoe | | | | | | |
| | | | | | DATE: 6-7-04 | |
| CONTRACTOR: PEC | | | | | INSPECTOR: Mark J Schumacher | |
| DEPTH
IN FT. | | | | PID
(ppm) | SOIL DESCRIPTION | REMARKS |
| | | | | 5 | Black, Fill (foundry sand, tr. wood, slag, metal debris), oily odor | Sample TP-2
1' - 8' |
| 1.0 | | | | | | |
| 2.0 | | | | | | |
| 3.0 | | | | | | |
| 4.0 | | | | | | |
| 5.0 | | | | | | |
| | | | | 5 | wet | |
| 6.0 | | | | | | |
| 7.0 | | | | | | |
| 8.0 | | | | | | |
| 9.0 | | | | 0 | Peat | |
| | | | | | End Excavation 9.0' | |
| 10.0 | | | | | | |
| 11.0 | | | | | | |
| 12.0 | | | | | | |
| 13.0 | | | | | | |
| 14.0 | | | | | | |
| 15.0 | | | | | | |
| 16.0 | | | | | | |
| 17.0 | | | | | | |
| 18.0 | | | | | | |

INTEGREYTED INTERNATIONAL, LLC

TEST PIT LOG BORING NO.: TP-3

| PROJECT: Crouse-Hinds | | | | | Sheet 1 of 1 | |
|----------------------------------|--|--|------------------------------|--------------|----------------------------------------------------------------------------------|-------------------------|
| CLIENT: Cooper Industries, Inc. | | | | | | |
| INTEGREYTED PROJECT NO: 0310025P | | | | | | |
| EXCAVATION METHOD: Backhoe | | | | | | |
| | | | | | DATE: 6-7-04 | |
| CONTRACTOR: PEC | | | INSPECTOR: Mark J Schumacher | | | |
| DEPTH
IN FT. | | | | PID
(ppm) | SOIL DESCRIPTION | REMARKS |
| | | | | 3 | Black, Fill (foundry sand, tr. wood, tr. core butts, metal debris),
oily odor | Sample TP-3
1' -9.5' |
| 1.0 | | | | | | |
| 2.0 | | | | | | |
| 3.0 | | | | | | |
| 4.0 | | | | | | |
| 5.0 | | | | | | |
| 6.0 | | | | | | |
| | | | | 1 | wet | |
| 7.0 | | | | | | |
| 8.0 | | | | | | |
| 9.0 | | | | | | 9.5' |
| 10.0 | | | | 0 | Peat | |
| | | | | | End Excavation 10.0' | |
| 11.0 | | | | | | |
| 12.0 | | | | | | |
| 13.0 | | | | | | |
| 14.0 | | | | | | |
| 15.0 | | | | | | |
| 16.0 | | | | | | |
| 17.0 | | | | | | |
| 18.0 | | | | | | |

INTEGREYTED INTERNATIONAL, LLC

TEST PIT LOG

BORING NO.: TP-4

Sheet 1 of 1

| | | | | | | |
|----------------------------------|--|--|--|--------------|-----------------------------------------------------------------------------------------|-------------------------|
| PROJECT: Crouse-Hinds | | | | | Sheet 1 of 1 | |
| CLIENT: Cooper Industries, Inc. | | | | | | |
| INTEGREYTED PROJECT NO: 0310025P | | | | | | |
| EXCAVATION METHOD: Backhoe | | | | | | |
| | | | | | DATE: 6-8-04 | |
| CONTRACTOR: PEC | | | | | INSPECTOR: Mark J Schumacher | |
| DEPTH
IN FT. | | | | PID
(ppm) | SOIL DESCRIPTION | REMARKS |
| 1.0 | | | | 23 | Black, Fill (foundry sand, tr. wood, , tr. core butts, metal debris), oily odors, moist | Sample TP-4
1' -8.0' |
| 2.0 | | | | 237 | petroleum odors | |
| 3.0 | | | | | wet, sheen on water surface | |
| 4.0 | | | | 123 | two 55-gallon drums, empty | |
| 5.0 | | | | 98 | | |
| 6.0 | | | | | | |
| 7.0 | | | | | | |
| 8.0 | | | | 15 | | |
| 9.0 | | | | | 9.0' | |
| | | | | 0 | Peat | |
| 10.0 | | | | | End Excavation 10.0' | |
| 11.0 | | | | | | |
| 12.0 | | | | | | |
| 13.0 | | | | | | |
| 14.0 | | | | | | |
| 15.0 | | | | | | |
| 16.0 | | | | | | |
| 17.0 | | | | | | |
| 18.0 | | | | | | |

INTEGREYTED INTERNATIONAL, LLC

TEST PIT LOG

BORING NO.: TP-5

Sheet 1 of 1

| | | | | | | |
|----------------------------------|--|--|--|--------------|-----------------------------------------------------------------------------------------|-----------------------------------|
| PROJECT: Crouse-Hinds | | | | | Sheet 1 of 1 | |
| CLIENT: Cooper Industries, Inc. | | | | | | |
| INTEGREYTED PROJECT NO: 0310025P | | | | | | |
| EXCAVATION METHOD: Backhoe | | | | | | |
| | | | | | DATE: 6-8-04 | |
| CONTRACTOR: PEC | | | | | INSPECTOR: Mark J Schumacher | |
| DEPTH
IN FT. | | | | PID
(ppm) | SOIL DESCRIPTION | REMARKS |
| | | | | 4 | Black, Fill (foundry sand, tr. wood, , tr. core butts, metal debris), oily odors, moist | Sample TP-5 and TP-5-WC 1' -15.0' |
| 1.0 | | | | | | |
| 2.0 | | | | | | |
| 3.0 | | | | | | |
| | | | | 10 | | |
| 4.0 | | | | | | |
| 5.0 | | | | | | |
| 6.0 | | | | | | |
| 7.0 | | | | | | |
| | | | | 15 | | |
| 8.0 | | | | | | |
| 9.0 | | | | | | |
| 10.0 | | | | | | |
| 11.0 | | | | | | |
| 12.0 | | | | | | |
| 13.0 | | | | | | |
| 14.0 | | | | | | |
| 15.0 | | | | 1 | | |
| | | | | | | |
| 16.0 | | | | | | |
| 17.0 | | | | | | |
| 18.0 | | | | | | |

wet, sheen on water surface

INTEGREYTED INTERNATIONAL, LLC

TEST PIT LOG BORING NO.: TP-6

Sheet 1 of 1

| | | | | | | |
|----------------------------------|--|--|--|--------------|-----------------------------------------------------------------------------------------|-----------------------------------------|
| PROJECT: Crouse-Hinds | | | | | Sheet 1 of 1 | |
| CLIENT: Cooper Industries, Inc. | | | | | | |
| INTEGREYTED PROJECT NO: 0310025P | | | | | | |
| EXCAVATION METHOD: Backhoe | | | | | | |
| | | | | | DATE: 6-7-04 | |
| CONTRACTOR: PEC | | | | | INSPECTOR: Mark J Schumacher | |
| DEPTH
IN FT. | | | | PID
(ppm) | SOIL DESCRIPTION | REMARKS |
| | | | | 5 | Black, Fill (foundry sand, tr. wood, , tr. core butts, metal debris), oily odors, moist | Sample TP-6
and TP-6-WC
0' -11.5' |
| 1.0 | | | | | | |
| 2.0 | | | | | | |
| | | | | 16 | | |
| 3.0 | | | | | | |
| 4.0 | | | | | | |
| 5.0 | | | | 15 | | |
| 6.0 | | | | | | |
| 7.0 | | | | | | |
| 8.0 | | | | | | |
| | | | | 4 | | |
| 9.0 | | | | | | |
| 10.0 | | | | | wet, oil sheen on water surface | |
| | | | | | 10.5' | |
| 11.0 | | | | 0 | Gray, Med. Sand and F. - Co. Gravel, some cobbles, wet | |
| | | | | | 11.5' | |
| 12.0 | | | | | End Excavation 11.5' | |
| 13.0 | | | | | | |
| 14.0 | | | | | | |
| 15.0 | | | | | | |
| 16.0 | | | | | | |
| 17.0 | | | | | | |
| 18.0 | | | | | | |

INTEGREYTED INTERNATIONAL, LLC

TEST PIT LOG BORING NO.: TP-7

| | | | | | |
|----------------------------------|--|--|--|--------------|------------------------------------------------------------------------------------------------------------------------------------------------|
| PROJECT: Crouse-Hinds | | | | | Sheet 1 of 1 |
| CLIENT: Cooper Industries, Inc. | | | | | |
| INTEGREYTED PROJECT NO: 0310025P | | | | | |
| EXCAVATION METHOD: Backhoe | | | | | |
| | | | | | DATE: 6-7-04 |
| CONTRACTOR: PEC | | | | | INSPECTOR: Mark J Schumacher |
| DEPTH
IN FT. | | | | PID
(ppm) | REMARKS |
| | | | | 5 | Black, Fill (foundry sand, tr. wood, , tr. core butts, tr. brick, metal debris), oily odors, moist

Sample TP-7 and TP-7-WC
0' -13.0' |
| 1.0 | | | | | |
| 2.0 | | | | | |
| | | | | 10 | |
| 3.0 | | | | | |
| | | | | | |
| 4.0 | | | | | |
| | | | | | |
| 5.0 | | | | | |
| | | | | | |
| 6.0 | | | | | |
| | | | | | |
| 7.0 | | | | | |
| | | | | | |
| 8.0 | | | | | |
| | | | | 4 | |
| 9.0 | | | | | |
| | | | | | |
| 10.0 | | | | | |
| | | | | | |
| 11.0 | | | | | |
| | | | | | |
| 12.0 | | | | | |
| | | | | | |
| 13.0 | | | | | |
| | | | | 0 | Gry, Med. Sand and F. - Co. Gravel, wet |
| 14.0 | | | | | End Excavation 13.5' |
| | | | | | |
| 15.0 | | | | | |
| | | | | | |
| 16.0 | | | | | |
| | | | | | |
| 17.0 | | | | | |
| | | | | | |
| 18.0 | | | | | |

INTEGREYTED INTERNATIONAL, LLC

TEST PIT LOG BORING NO.: TP-8

Sheet 1 of 1

| | | | | | | |
|----------------------------------|--|--|--|--------------|-----------------------------------------------------|----------------------------------------|
| PROJECT: Crouse-Hinds | | | | | Sheet 1 of 1 | |
| CLIENT: Cooper Industries, Inc. | | | | | | |
| INTEGREYTED PROJECT NO: 0310025P | | | | | | |
| EXCAVATION METHOD: Backhoe | | | | | | |
| CONTRACTOR: PEC | | | | | INSPECTOR: Mark J Schumacher | |
| | | | | | DATE: 6-7-04 | |
| DEPTH
IN FT. | | | | PID
(ppm) | SOIL DESCRIPTION | REMARKS |
| | | | | 1 | Black, Fill (foundry sand, tr. wood, metal debris), | Sample TP-8
and TP-8-WC
0' -3.0' |
| 1.0 | | | | | | |
| 2.0 | | | | | | |
| 3.0 | | | | | 3.0' | |
| | | | | 0 | Red-Brown, Clay, hard, dry | |
| 4.0 | | | | | | |
| 5.0 | | | | | | |
| 6.0 | | | | | 6.0' | |
| | | | | | End Excavation 6.0' | |
| 7.0 | | | | | | |
| 8.0 | | | | | | |
| 9.0 | | | | | | |
| 10.0 | | | | | | |
| 11.0 | | | | | | |
| 12.0 | | | | | | |
| 13.0 | | | | | | |
| 14.0 | | | | | | |
| 15.0 | | | | | | |
| 16.0 | | | | | | |
| 17.0 | | | | | | |
| 18.0 | | | | | | |

INTEGREYTED INTERNATIONAL, LLC

TEST PIT LOG

BORING NO.: TP-9

Sheet 1 of 1

| | | | | | | |
|----------------------------------|--|--|--|--------------|-----------------------------------------------------------------------------------------|------------------------|
| PROJECT: Crouse-Hinds | | | | | Sheet 1 of 1 | |
| CLIENT: Cooper Industries, Inc. | | | | | | |
| INTEGREYTED PROJECT NO: 0310025P | | | | | | |
| EXCAVATION METHOD: Backhoe | | | | | | |
| | | | | | DATE: 6-7-04 | |
| CONTRACTOR: PEC | | | | | INSPECTOR: Mark J Schumacher | |
| DEPTH
IN FT. | | | | PID
(ppm) | SOIL DESCRIPTION | REMARKS |
| | | | | 5 | Black, Fill (foundry sand, tr. wood, , tr. core butts, metal debris), oily odors, moist | Sample TP-9
0' -15' |
| 1.0 | | | | | | |
| 2.0 | | | | | | |
| 3.0 | | | | | | |
| 4.0 | | | | | | |
| 5.0 | | | | | | |
| 6.0 | | | | | | |
| 7.0 | | | | | | |
| 8.0 | | | | | | |
| 9.0 | | | | | | |
| 10.0 | | | | | | |
| 11.0 | | | | | | |
| 12.0 | | | | | | |
| | | | | | wet, sheen on water surface | |
| 13.0 | | | | | | |
| 14.0 | | | | | | |
| 15.0 | | | | | | |
| | | | | | End Excavation 15.0' | |
| 16.0 | | | | | | |
| 17.0 | | | | | | |
| 18.0 | | | | | | |

INTEGREYTED INTERNATIONAL, LLC

TEST PIT LOG

BORING NO.: TP-10

Sheet 1 of 1

| | | | | | | |
|----------------------------------|--|--|--|--------------|-----------------------------------------------------------------------------------------|-------------------------------------------|
| PROJECT: Crouse-Hinds | | | | | Sheet 1 of 1 | |
| CLIENT: Cooper Industries, Inc. | | | | | | |
| INTEGREYTED PROJECT NO: 0310025P | | | | | | |
| EXCAVATION METHOD: Backhoe | | | | | | |
| CONTRACTOR: PEC | | | | | INSPECTOR: Mark J Schumacher | |
| | | | | | DATE: 6-7-04 | |
| DEPTH
IN FT. | | | | PID
(ppm) | SOIL DESCRIPTION | REMARKS |
| | | | | 4 | Black, Fill (foundry sand, tr. wood, , tr. core butts, metal debris), oily odors, moist | Sample TP-10
and TP-10-WC
0' -15.0' |
| 1.0 | | | | | | |
| 2.0 | | | | | | |
| 3.0 | | | | | | |
| | | | | 10 | | |
| 4.0 | | | | | | |
| 5.0 | | | | | | |
| 6.0 | | | | | | |
| 7.0 | | | | | | |
| | | | | 15 | | |
| 8.0 | | | | | | |
| 9.0 | | | | | | |
| 10.0 | | | | | | |
| 11.0 | | | | | | |
| 12.0 | | | | | | |
| 13.0 | | | | | | |
| 14.0 | | | | | | |
| 15.0 | | | | 1 | End Excavation 15.0' | |
| 16.0 | | | | | | |
| 17.0 | | | | | | |
| 18.0 | | | | | | |

INTEGREYTED INTERNATIONAL, LLC
TEST PIT LOG
BORING NO.: TP-11

Sheet 1 of 1

| PROJECT: Crouse-Hinds | | | | | Sheet 1 of 1 | | |
|----------------------------------|--|--|--|--------------|-----------------------------------------------------------------------------------------|---------------------------|--|
| CLIENT: Cooper Industries, Inc. | | | | | | | |
| INTEGREYTED PROJECT NO: 0310025P | | | | | | | |
| EXCAVATION METHOD: Backhoe | | | | | | | |
| CONTRACTOR: PEC | | | | | INSPECTOR: Mark J Schumacher | | |
| | | | | | DATE: 6-7-04 | | |
| DEPTH
IN FT. | | | | PID
(ppm) | SOIL DESCRIPTION | REMARKS | |
| | | | | 2 | Black, Fill (foundry sand, tr. wood, , tr. core butts, metal debris), oily odors, moist | Sample TP-11
0' -14.5' | |
| 1.0 | | | | | | | |
| 2.0 | | | | | | | |
| 3.0 | | | | | | | |
| 4.0 | | | | 7 | | | |
| 5.0 | | | | | | | |
| 6.0 | | | | | | | |
| 7.0 | | | | | | | |
| 8.0 | | | | 5 | trace plastic wrap wet | | |
| 9.0 | | | | | | | |
| 10.0 | | | | | | | |
| 11.0 | | | | | | | |
| 12.0 | | | | | | | |
| 13.0 | | | | | | | |
| 14.0 | | | | | | | |
| 15.0 | | | | 0 | Peat, wet | 14.5' | |
| | | | | | End Excavation 15.0' | | |
| 16.0 | | | | | | | |
| 17.0 | | | | | | | |
| 18.0 | | | | | | | |

INTEGREYTED INTERNATIONAL, LLC

TEST PIT LOG BORING NO.: TP-12

Sheet 1 of 1

| | | | | | | |
|----------------------------------|--|--|--|--|------------------------------|--|
| PROJECT: Crouse-Hinds | | | | | Sheet 1 of 1 | |
| CLIENT: Cooper Industries, Inc. | | | | | | |
| INTEGREYTED PROJECT NO: 0310025P | | | | | | |
| EXCAVATION METHOD: Backhoe | | | | | | |
| | | | | | DATE: 6-8-04 | |
| CONTRACTOR: PEC | | | | | INSPECTOR: Mark J Schumacher | |

| DEPTH
IN FT. | | | | PID
(ppm) | SOIL DESCRIPTION | REMARKS |
|-----------------|--|--|--|--------------|-----------------------------------------------------------------------------------------|---------------------------|
| | | | | 10 | Black, Fill (foundry sand, tr. wood, , tr. core butts, metal debris), oily odors, moist | Sample TP-12
1' -11.0' |
| 1.0 | | | | | | |
| 2.0 | | | | 17 | | |
| 3.0 | | | | | | |
| 4.0 | | | | | | |
| | | | | 17 | | |
| 5.0 | | | | | | |
| 6.0 | | | | | | |
| 7.0 | | | | | | |
| 8.0 | | | | | | |
| 9.0 | | | | | | |
| 10.0 | | | | | | |
| | | | | | 10.5' | |
| 11.0 | | | | 0 | Peat | |
| | | | | | End Excavation 11.5' | |
| 12.0 | | | | | | |
| 13.0 | | | | | | |
| 14.0 | | | | | | |
| 15.0 | | | | | | |
| 16.0 | | | | | | |
| 17.0 | | | | | | |
| 18.0 | | | | | | |

INTEGREYTED INTERNATIONAL, LLC
TEST PIT LOG
BORING NO.: TP-13

Sheet 1 of 1

| | | | | | | |
|----------------------------------|--|--|--|--------------|----------------------------------------------------------------------------------------------------------------|-------------------------------------------|
| PROJECT: Crouse-Hinds | | | | | Sheet 1 of 1 | |
| CLIENT: Cooper Industries, Inc. | | | | | | |
| INTEGREYTED PROJECT NO: 0310025P | | | | | | |
| EXCAVATION METHOD: Backhoe | | | | | | |
| | | | | | DATE: 6-8-04 | |
| CONTRACTOR: PEC | | | | | INSPECTOR: Mark J Schumacher | |
| DEPTH
IN FT. | | | | PID
(ppm) | SOIL DESCRIPTION | REMARKS |
| | | | | 0 | Tan, F. Sand and Fill (household refuse, glass, metal cans, paper ,plastic), tr. Core butts, metal debris, dry | Sample TP-13
and TP-13-WC
1' -12.0' |
| 1.0 | | | | | | |
| 2.0 | | | | | | |
| 3.0 | | | | 2 | | |
| 4.0 | | | | | | |
| 5.0 | | | | 0 | | |
| 6.0 | | | | | | |
| 7.0 | | | | | | |
| 8.0 | | | | 0 | | |
| 9.0 | | | | | | |
| 10.0 | | | | | | |
| 11.0 | | | | | | |
| 12.0 | | | | 0 | wet | |
| 13.0 | | | | | | |
| | | | | | End Excavation 13.0' | |
| 14.0 | | | | | | |
| 15.0 | | | | | | |
| 16.0 | | | | | | |
| 17.0 | | | | | | |
| 18.0 | | | | | | |

INTEGREYTED INTERNATIONAL, LLC

TEST PIT LOG BORING NO.: TP-14

Sheet 1 of 1

| | | | | | | |
|----------------------------------|--|--|--|--------------|-----------------------------------------------------------------|------------------------------------------|
| PROJECT: Crouse-Hinds | | | | | Sheet 1 of 1 | |
| CLIENT: Cooper Industries, Inc. | | | | | | |
| INTEGREYTED PROJECT NO: 0310025P | | | | | | |
| EXCAVATION METHOD: Backhoe | | | | | | |
| CONTRACTOR: PEC | | | | | INSPECTOR: Mark J Schumacher | |
| | | | | | DATE: 6-8-04 | |
| DEPTH
IN FT. | | | | PID
(ppm) | SOIL DESCRIPTION | REMARKS |
| | | | | 1 | Fill (household refuse, glass, metal cans, paper, plastic), dry | Sample TP-14
and TP-14-WC
1' -7.0' |
| 1.0 | | | | | | |
| 2.0 | | | | | | |
| 3.0 | | | | 3 | | |
| 4.0 | | | | | | |
| 5.0 | | | | 1 | | |
| 6.0 | | | | | | |
| 7.0 | | | | | | |
| 8.0 | | | | 0 | | |
| | | | | | | |
| | | | | | Peat | |
| 9.0 | | | | | End Excavation 8.5' | |
| 10.0 | | | | | | |
| 11.0 | | | | | | |
| 12.0 | | | | | | |
| 13.0 | | | | | | |
| 14.0 | | | | | | |
| 15.0 | | | | | | |
| 16.0 | | | | | | |
| 17.0 | | | | | | |
| 18.0 | | | | | | |

INTEGREYTED INTERNATIONAL, LLC

TEST PIT LOG

BORING NO.: TP-15

| | | | | | |
|----------------------------------|--|--|--|--------------|-----------------------------------------------------------------|
| PROJECT: Crouse-Hinds | | | | | Sheet 1 of 1 |
| CLIENT: Cooper Industries, Inc. | | | | | |
| INTEGREYTED PROJECT NO: 0310025P | | | | | |
| EXCAVATION METHOD: Backhoe | | | | | |
| | | | | | DATE: 6-8-04 |
| CONTRACTOR: PEC | | | | | INSPECTOR: Mark J Schumacher |
| DEPTH
IN FT. | | | | PID
(ppm) | |
| | | | | | SOIL DESCRIPTION |
| | | | | | REMARKS |
| | | | | 1 | Fill (household refuse, glass, metal cans, paper, plastic), dry |
| 1.0 | | | | | |
| | | | | | |
| 2.0 | | | | | |
| | | | | | |
| 3.0 | | | | 2 | |
| | | | | | |
| 4.0 | | | | | |
| | | | | | |
| 5.0 | | | | 3 | |
| | | | | | 9.0' |
| 6.0 | | | | | |
| | | | | | |
| 7.0 | | | | | |
| | | | | | |
| 8.0 | | | | 0 | |
| | | | | | |
| 9.0 | | | | | |
| | | | | 0 | |
| | | | | | |
| 10.0 | | | | | End Excavation 9.5' |
| | | | | | |
| 11.0 | | | | | |
| | | | | | |
| 12.0 | | | | | |
| | | | | | |
| 13.0 | | | | | |
| | | | | | |
| 14.0 | | | | | |
| | | | | | |
| 15.0 | | | | | |
| | | | | | |
| 16.0 | | | | | |
| | | | | | |
| 17.0 | | | | | |
| | | | | | |
| 18.0 | | | | | |

TEST PIT LOG
BORING NO.: TP-16

| | | | | | | |
|-----------------------------------|--|--|--|--------------|-----------------------------------------------------------------------------------------|--|
| PROJECT: Crouse-Hinds | | | | | Sheet 1 of 1 | |
| CLIENT: Cooper Industries, Inc. | | | | | | |
| INTEGRITYTED PROJECT NO: 0310025P | | | | | | |
| EXCAVATION METHOD: Backhoe | | | | | | |
| | | | | | DATE: 6-8-04 | |
| CONTRACTOR: PEC | | | | | INSPECTOR: Mark J Schumacher | |
| DEPTH
IN FT. | | | | PID
(ppm) | SOIL DESCRIPTION | |
| | | | | | REMARKS | |
| | | | | 7 | Black, Fill (foundry sand, tr. wood, , tr. core butts, metal debris), oily odors, moist | |
| 1.0 | | | | | | |
| 2.0 | | | | 9 | | |
| 3.0 | | | | | | |
| 4.0 | | | | | | |
| | | | | 5 | | |
| 5.0 | | | | | | |
| 6.0 | | | | | | |
| 7.0 | | | | | | |
| 8.0 | | | | 7 | | |
| 9.0 | | | | | Sample TP-16 and TP-16-WC 1' -15.0' | |
| 10.0 | | | | | | |
| 11.0 | | | | | | |
| | | | | | | |
| 12.0 | | | | | | |
| | | | | | | |
| 13.0 | | | | | | |
| 14.0 | | | | | | |
| 15.0 | | | | | | |
| 16.0 | | | | | | |
| | | | | | | |
| 17.0 | | | | | | |
| 18.0 | | | | | | |

INTEGREYTED INTERNATIONAL, LLC

TEST PIT LOG

BORING NO.: TP-17

Sheet 1 of 1

| | | | | | | |
|----------------------------------|--|--|--|--------------|-----------------------------------------------------------------|------------------------------------------|
| PROJECT: Crouse-Hinds | | | | | Sheet 1 of 1 | |
| CLIENT: Cooper Industries, Inc. | | | | | | |
| INTEGREYTED PROJECT NO: 0310025P | | | | | | |
| EXCAVATION METHOD: Backhoe | | | | | | |
| | | | | | DATE: 6-8-04 | |
| CONTRACTOR: PEC | | | | | INSPECTOR: Mark J Schumacher | |
| DEPTH
IN FT. | | | | PID
(ppm) | SOIL DESCRIPTION | REMARKS |
| | | | | 0 | Fill (household refuse, glass, metal cans, paper, plastic), dry | Sample TP-17
and TP-7-WC
1' -11.0' |
| 1.0 | | | | | | |
| 2.0 | | | | | some peat | |
| 3.0 | | | | | | |
| 4.0 | | | | | | |
| 5.0 | | | | 0 | | |
| 6.0 | | | | | | |
| 7.0 | | | | | | |
| 8.0 | | | | 0 | | |
| 9.0 | | | | | | |
| 10.0 | | | | | | |
| 11.0 | | | | | 11.0' | |
| | | | | 0 | Peat | |
| 12.0 | | | | | End Excavation 11.5' | |
| 13.0 | | | | | | |
| 14.0 | | | | | | |
| 15.0 | | | | | | |
| 16.0 | | | | | | |
| 17.0 | | | | | | |
| 18.0 | | | | | | |

INTEGREYTED INTERNATIONAL, LLC

TEST PIT LOG BORING NO.: TP-18

Sheet 1 of 1

| | | | | | | |
|----------------------------------|--|--|--|--------------|-----------------------------------------------------------------|---------------------------|
| PROJECT: Crouse-Hinds | | | | | Sheet 1 of 1 | |
| CLIENT: Cooper Industries, Inc. | | | | | | |
| INTEGREYTED PROJECT NO: 0310025P | | | | | | |
| EXCAVATION METHOD: Backhoe | | | | | | |
| | | | | | DATE: 6-8-04 | |
| CONTRACTOR: PEC | | | | | INSPECTOR: Mark J Schumacher | |
| DEPTH
IN FT. | | | | PID
(ppm) | SOIL DESCRIPTION | REMARKS |
| | | | | 0 | Fill (household refuse, glass, metal cans, paper, plastic), dry | Sample TP-18
1' -10.0' |
| 1.0 | | | | | | |
| 2.0 | | | | | | |
| 3.0 | | | | 0 | | |
| 4.0 | | | | | | |
| 5.0 | | | | 0 | | |
| 6.0 | | | | | | |
| 7.0 | | | | | | |
| 8.0 | | | | 0 | | |
| 9.0 | | | | | | |
| 10.0 | | | | | 10.0' | |
| | | | | 0 | Peat | |
| 11.0 | | | | | End Excavation 10.5' | |
| 12.0 | | | | | | |
| 13.0 | | | | | | |
| 14.0 | | | | | | |
| 15.0 | | | | | | |
| 16.0 | | | | | | |
| 17.0 | | | | | | |
| 18.0 | | | | | | |

INTEGREYTED INTERNATIONAL, LLC

TEST PIT LOG BORING NO.: TP-19

Sheet 1 of 1

| | | | | | | |
|----------------------------------|--|--|--|--------------|-----------------------------------------------------------------------------------------------|--------------------------|
| PROJECT: Crouse-Hinds | | | | | Sheet 1 of 1 | |
| CLIENT: Cooper Industries, Inc. | | | | | | |
| INTEGREYTED PROJECT NO: 0310025P | | | | | | |
| EXCAVATION METHOD: Backhoe | | | | | | |
| CONTRACTOR: PEC | | | | | INSPECTOR: Mark J Schumacher | |
| | | | | | DATE: 6-8-04 | |
| DEPTH
IN FT. | | | | PID
(ppm) | SOIL DESCRIPTION | REMARKS |
| | | | | 0 | Brown, Silt and Clay with some Fill (household refuse, glass metal cans, paper, plastic), dry | Sample TP-19
1' -8.0' |
| 1.0 | | | | | | |
| 2.0 | | | | | | |
| 3.0 | | | | | | |
| 4.0 | | | | | | |
| 5.0 | | | | 0 | | |
| 6.0 | | | | | | |
| 7.0 | | | | | | |
| 8.0 | | | | 0 | | |
| 9.0 | | | | | | |
| | | | | | End Excavation 8.0' | |
| 10.0 | | | | | | |
| 11.0 | | | | | | |
| 12.0 | | | | | | |
| 13.0 | | | | | | |
| 14.0 | | | | | | |
| 15.0 | | | | | | |
| 16.0 | | | | | | |
| 17.0 | | | | | | |
| 18.0 | | | | | | |

DELTA ENVIRONMENTAL CONSULTANTS, INC.

TEST PIT LOG

TEST PIT NO.: TP-20

| | | | | | | |
|---------------------------------|--|--|-----------------------------|--------------|-------------------------------|---------------------------------------------------------|
| PROJECT: Crouse-Hinds | | | | | Sheet 1 of 1 | |
| CLIENT: Cooper Industries, Inc. | | | | | | |
| DELTA PROJECT NO: 0310025P | | | | | | |
| EXCAVATION METHOD: Backhoe | | | | | | |
| | | | | | DATE: 10-24-05 | |
| CONTRACTOR: PEC | | | INSPECTOR: Jennifer L. Hull | | | |
| DEPTH
IN FT. | | | | PID
(ppm) | | |
| | | | | | SOIL DESCRIPTION | |
| | | | | 0.0 | 1.0' | |
| 1.0 | | | | | | |
| | | | | 0.7 | | Black, fine, Foundry Sand, dry, degraded petroleum odor |
| 2.0 | | | | | | |
| | | | | | | |
| 3.0 | | | | | | |
| | | | | | | |
| 4.0 | | | | | | |
| | | | | | | |
| 5.0 | | | | | | |
| | | | | 0.0 | | |
| 6.0 | | | | | | |
| | | | | | | |
| 7.0 | | | | | | |
| | | | | | 8.0' | |
| 8.0 | | | | 0.0 | Brown, Peat, damp, no odors | |
| | | | | | | 9.0' |
| 9.0 | | | | | Excavation terminated at 9.0' | |
| | | | | | | |
| 10.0 | | | | | | |
| | | | | | | |
| 11.0 | | | | | | |
| | | | | | | |
| 12.0 | | | | | | |
| | | | | | | |
| 13.0 | | | | | | |
| | | | | | | |
| 14.0 | | | | | | |
| | | | | | | |
| 15.0 | | | | | | |
| | | | | | | |
| 16.0 | | | | | | |
| | | | | | | |
| 17.0 | | | | | | |
| | | | | | | |
| 18.0 | | | | | | |

DELTA ENVIRONMENTAL CONSULTANTS, INC.

TEST PIT LOG

TEST PIT NO.: TP-21

| | | | | | |
|---------------------------------|--|--|-----------------------------|---------------------------------------------------------------------------------------------------------------|--------------|
| PROJECT: Crouse-Hinds | | | | | Sheet 1 of 1 |
| CLIENT: Cooper Industries, Inc. | | | | | |
| DELTA PROJECT NO: 0310025P | | | | | |
| EXCAVATION METHOD: Backhoe | | | | | |
| | | | | | |
| DATE: 10-24-05 | | | | | |
| CONTRACTOR: PEC | | | INSPECTOR: Jennifer L. Hull | | |
| DEPTH
IN FT. | | | PID
(ppm) | SOIL DESCRIPTION | REMARKS |
| | | | 0.0 | Brown, Topsoil, moist | 0.8' |
| 1.0 | | | | | |
| | | | 6.7 | Black, fine, Foundry Sand with little fill (gray and green debris), strong degraded petroleum odor throughout | |
| 2.0 | | | | | |
| | | | | | |
| 3.0 | | | | | |
| | | | | | |
| 4.0 | | | | | |
| | | | 6.7 | Moist, petroleum sheen on water seeping into hole | |
| 5.0 | | | | | |
| | | | | | |
| 6.0 | | | | | |
| | | | | | |
| 7.0 | | | | | |
| | | | | | |
| 8.0 | | | | | |
| | | | | | |
| 9.0 | | | | | |
| | | | | | |
| 10.0 | | | | | |
| | | | | | |
| 11.0 | | | | | |
| | | | 0.0 | Saturated at 11.0' | |
| 12.0 | | | | | |
| | | | | | |
| 13.0 | | | | | 13.0' |
| | | | 0.0 | Brown, Peat, damp | |
| 14.0 | | | | | 14.0' |
| | | | | Excavation terminated at 14.0' | |
| 15.0 | | | | | |
| | | | | | |
| 16.0 | | | | | |
| | | | | | |
| 17.0 | | | | | |
| | | | | | |
| 18.0 | | | | | |

TP-21 sampled
2'-13'

DELTA ENVIRONMENTAL CONSULTANTS, INC.

TEST PIT LOG

TEST PIT NO.: TP-22

| | | | | | | |
|---------------------------------|--|--|--|--------------|-----------------------------------------------------------|---------|
| PROJECT: Crouse-Hinds | | | | | Sheet 1 of 1 | |
| CLIENT: Cooper Industries, Inc. | | | | | | |
| DELTA PROJECT NO: 0310025P | | | | | | |
| EXCAVATION METHOD: Backhoe | | | | | | |
| CONTRACTOR: PEC | | | | | INSPECTOR: Jennifer L. Hull | |
| | | | | | DATE: 10-24-05 | |
| DEPTH
IN FT. | | | | PID
(ppm) | SOIL DESCRIPTION | REMARKS |
| | | | | 0.0 | Brown, Topsoil, moist | 0.8' |
| 1.0 | | | | | Black, fine, Foundry Sand, moist, degraded petroleum odor | |
| | | | | 0.0 | | |
| 2.0 | | | | | | |
| | | | | | | |
| 3.0 | | | | | | |
| | | | | | | |
| 4.0 | | | | | | |
| | | | | | | |
| 5.0 | | | | | | |
| | | | | | | |
| | | | | 0.0 | Same as above | |
| 6.0 | | | | | Wet at 10.0' | |
| | | | | | | |
| 7.0 | | | | | | |
| | | | | | | |
| 8.0 | | | | | | |
| | | | | | | |
| 9.0 | | | | | | |
| | | | | | | |
| 10.0 | | | | | | |
| | | | | 0.0 | | |
| 11.0 | | | | | Brown, Peat, damp | |
| | | | | | | |
| 12.0 | | | | | | |
| | | | | | | |
| 13.0 | | | | | | |
| | | | | | | |
| | | | | 0.0 | | |
| 14.0 | | | | | | |
| | | | | | | |
| | | | | | | |
| 15.0 | | | | | | |
| | | | | | | |
| 16.0 | | | | | | |
| | | | | | | |
| 17.0 | | | | | | |
| | | | | | | |
| 18.0 | | | | | | |

DELTA ENVIRONMENTAL CONSULTANTS, INC.

TEST PIT LOG

TEST PIT NO.: TP-23

| | | | | | |
|---------------------------------|--|--|--|--------------|----------------------------------------------------------------------------------------------------------------------------|
| PROJECT: Crouse-Hinds | | | | | Sheet 1 of 1 |
| CLIENT: Cooper Industries, Inc. | | | | | |
| DELTA PROJECT NO: 0310025P | | | | | |
| EXCAVATION METHOD: Backhoe | | | | | |
| | | | | | DATE: 10-24-05 |
| CONTRACTOR: PEC | | | | | INSPECTOR: Jennifer L. Hull |
| DEPTH
IN FT. | | | | PID
(ppm) | |
| | | | | | SOIL DESCRIPTION |
| | | | | 0.0 | Brown, Topsoil, moist 0.5' |
| 1.0 | | | | 4.5 | Black, fine, Foundry Sand with some fill (grey debris, brick, glass and metal debris), dry, slight degraded petroleum odor |
| 2.0 | | | | | |
| 3.0 | | | | | |
| 4.0 | | | | | |
| 5.0 | | | | | |
| 6.0 | | | | | |
| 7.0 | | | | | |
| 8.0 | | | | | |
| 9.0 | | | | | |
| 10.0 | | | | | |
| | | | | 0.0 | Dark brown, Peat, damp 8.0' |
| | | | | | 9.0' |
| | | | | | Excavation terminated at 9.0' |
| 11.0 | | | | | |
| 12.0 | | | | | |
| 13.0 | | | | | |
| 14.0 | | | | | |
| 15.0 | | | | | |
| 16.0 | | | | | |
| 17.0 | | | | | |
| 18.0 | | | | | |

TP-23 sampled
2'-7'

DELTA ENVIRONMENTAL CONSULTANTS, INC.

TEST PIT LOG

TEST PIT NO.: TP-24

| | | | | | |
|---------------------------------|--|--|-----------------------------|--------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| PROJECT: Crouse-Hinds | | | | | Sheet 1 of 1 |
| CLIENT: Cooper Industries, Inc. | | | | | |
| DELTA PROJECT NO: 0310025P | | | | | |
| EXCAVATION METHOD: Backhoe | | | | | |
| | | | | | DATE: 10-24-05 |
| CONTRACTOR: PEC | | | INSPECTOR: Jennifer L. Hull | | |
| DEPTH
IN FT. | | | | PID
(ppm) | REMARKS |
| | | | | 0.0 | Dark Brown, Topsoil, moist 0.4' |
| 1.0 | | | | 15.7 | Black, fine, Foundry Sand with little fill (hardened paint, concrete castes, and slag), moist, moderate degraded petroleum odor

Same as above |
| | | | | | |
| 2.0 | | | | | |
| | | | | | |
| 3.0 | | | | | |
| | | | | | |
| 4.0 | | | | | |
| | | | | 15.0 | |
| 5.0 | | | | | |
| | | | | | |
| 6.0 | | | | | 6.0' |
| | | | | 0.0 | Brown, Peat, damp 7.0' |
| 7.0 | | | | | |
| | | | | | Excavation terminated at 7.0' |
| 8.0 | | | | | |
| | | | | | |
| 9.0 | | | | | |
| | | | | | |
| 10.0 | | | | | |
| | | | | | |
| 11.0 | | | | | |
| | | | | | |
| 12.0 | | | | | |
| | | | | | |
| 13.0 | | | | | |
| | | | | | |
| 14.0 | | | | | |
| | | | | | |
| 15.0 | | | | | |
| | | | | | |
| 16.0 | | | | | |
| | | | | | |
| 17.0 | | | | | |
| | | | | | |
| 18.0 | | | | | |

DELTA ENVIRONMENTAL CONSULTANTS, INC.

TEST PIT LOG

TEST PIT NO.: TP-25

| PROJECT: Crouse-Hinds | | | | | Sheet 1 of 1 | |
|---------------------------------|--|-----------------------------|--|--------------|-----------------------------------------------------------------------------------------------------------------|---------|
| CLIENT: Cooper Industries, Inc. | | | | | | |
| DELTA PROJECT NO: 0310025P | | | | | | |
| EXCAVATION METHOD: Backhoe | | | | | DATE: 10-24-05 | |
| CONTRACTOR: PEC | | INSPECTOR: Jennifer L. Hull | | | | |
| DEPTH
IN FT. | | | | PID
(ppm) | SOIL DESCRIPTION | REMARKS |
| | | | | 0.0 | Dark brown, Topsoil, moist | |
| 1.0 | | | | | | |
| | | | | 0.0 | Black, fine, Foundry Sand with some fill (metal, glass and brick debris), dry, moderate degraded petroleum odor | |
| 2.0 | | | | | Moist at 2.0' | |
| 3.0 | | | | | | |
| 4.0 | | | | | | |
| 5.0 | | | | | | |
| 6.0 | | | | | | |
| | | | | 0.0 | Brown, Peat, damp | |
| 7.0 | | | | | | |
| | | | | | Excavation terminated at 7.0' | |
| 8.0 | | | | | | |
| 9.0 | | | | | | |
| 10.0 | | | | | | |
| 11.0 | | | | | | |
| 12.0 | | | | | | |
| 13.0 | | | | | | |
| 14.0 | | | | | | |
| 15.0 | | | | | | |
| 16.0 | | | | | | |
| 17.0 | | | | | | |
| 18.0 | | | | | | |

DELTA ENVIRONMENTAL CONSULTANTS, INC.

TEST PIT LOG

TEST PIT NO.: TP-26

| | | | | | |
|---------------------------------|--|--|--|--------------|--------------------------------------------------------------------------------------------------------------------------|
| PROJECT: Crouse-Hinds | | | | | Sheet 1 of 1 |
| CLIENT: Cooper Industries, Inc. | | | | | |
| DELTA PROJECT NO: 0310025P | | | | | |
| EXCAVATION METHOD: Backhoe | | | | | |
| | | | | | DATE: 10-24-05 |
| CONTRACTOR: PEC | | | | | INSPECTOR: Jennifer L. Hull |
| DEPTH
IN FT. | | | | PID
(ppm) | |
| | | | | | SOIL DESCRIPTION |
| | | | | 0.0 | Dark brown, Topsoil, moist |
| 1.0 | | | | | 1.0' |
| | | | | 4.3 | Black, fine, Foundry Sand with some fill (metal, wood, glass and plastic debris), damp, moderate degraded petroleum odor |
| 2.0 | | | | | |
| 3.0 | | | | | |
| 4.0 | | | | | |
| 5.0 | | | | | |
| 6.0 | | | | | |
| 7.0 | | | | | 7.0' |
| | | | | 0.0 | Brown, Peat, damp |
| 8.0 | | | | | 8.0' |
| | | | | | Excavation terminated at 8.0' |
| 9.0 | | | | | |
| 10.0 | | | | | |
| 11.0 | | | | | |
| 12.0 | | | | | |
| 13.0 | | | | | |
| 14.0 | | | | | |
| 15.0 | | | | | |
| 16.0 | | | | | |
| 17.0 | | | | | |
| 18.0 | | | | | |

TP-26 sampled
1'-6.5'

DELTA ENVIRONMENTAL CONSULTANTS, INC.

TEST PIT LOG

TEST PIT NO.: TP-27

| | | | | | |
|---------------------------------|--|-----------------------------|--|--------------|------------------------------------------------------------------------------------------------|
| PROJECT: Crouse-Hinds | | | | | Sheet 1 of 1 |
| CLIENT: Cooper Industries, Inc. | | | | | |
| DELTA PROJECT NO: 0310025P | | | | | |
| EXCAVATION METHOD: Backhoe | | | | | |
| | | | | | DATE: 10-24-05 |
| CONTRACTOR: PEC | | INSPECTOR: Jennifer L. Hull | | | |
| DEPTH
IN FT. | | | | PID
(ppm) | |
| | | | | | SOIL DESCRIPTION |
| | | | | 0.0 | Brown, Topsoil, moist 0.5' |
| 1.0 | | | | 1.7 | Black, fine, Foundry Sand with some fill (wood and metal debris), dry, degraded petroleum odor |
| | | | | | |
| 2.0 | | | | | |
| | | | | | |
| 3.0 | | | | | |
| | | | | | |
| | | | | 1.2 | |
| 4.0 | | | | | |
| | | | | | |
| 5.0 | | | | | |
| | | | | | |
| 6.0 | | | | | |
| | | | | | |
| 7.0 | | | | | |
| | | | | | |
| | | | | | |
| 8.0 | | | | 0.0 | |
| | | | | | Brown, Peat, damp 7.5' |
| | | | | | Excavation terminated at 8.0' 8.0' |
| 9.0 | | | | | |
| | | | | | |
| 10.0 | | | | | |
| | | | | | |
| 11.0 | | | | | |
| | | | | | |
| 12.0 | | | | | |
| | | | | | |
| 13.0 | | | | | |
| | | | | | |
| 14.0 | | | | | |
| | | | | | |
| 15.0 | | | | | |
| | | | | | |
| 16.0 | | | | | |
| | | | | | |
| 17.0 | | | | | |
| | | | | | |
| 18.0 | | | | | |
| | | | | | |

DELTA ENVIRONMENTAL CONSULTANTS, INC.

TEST PIT LOG

TEST PIT NO.: TP-28

| | | | | | |
|---------------------------------|--|--|-----------------------------|--------------|----------------------------------------------------------------------------------------------------------------------------------|
| PROJECT: Crouse-Hinds | | | | | Sheet 1 of 1 |
| CLIENT: Cooper Industries, Inc. | | | | | |
| DELTA PROJECT NO: 0310025P | | | | | |
| EXCAVATION METHOD: Backhoe | | | | | |
| | | | | | DATE: 10-25-05 |
| CONTRACTOR: PEC | | | INSPECTOR: Jennifer L. Hull | | |
| DEPTH
IN FT. | | | | PID
(ppm) | |
| | | | | | SOIL DESCRIPTION |
| | | | | 0.0 | Dark brown, Topsoil, moist |
| 1.0 | | | | | 1.0' |
| | | | | 0.0 | Brown, fine, Sand, damp |
| 2.0 | | | | | |
| 3.0 | | | | | |
| 4.0 | | | | | 4.0' |
| | | | | 1.1 | Black, fine, Foundry Sand with some fill (plastic, paper, rubber, metal and glass debris), dry, moderate degraded petroleum odor |
| 5.0 | | | | | |
| 6.0 | | | | | |
| 7.0 | | | | | |
| 8.0 | | | | | |
| | | | | 0.0 | Moist at 8.0' |
| 9.0 | | | | | |
| 10.0 | | | | | |
| 11.0 | | | | | |
| 12.0 | | | | | |
| 13.0 | | | | | |
| 14.0 | | | | | 14.0' |
| | | | | 1.8 | White, fine, Sand Fill, moist, slight degraded petroleum odor |
| 15.0 | | | | | |
| 16.0 | | | | | 16.0' |
| | | | | 0.0 | Black, Peat, damp |
| 17.0 | | | | | 17.0' |
| | | | | | Excavation terminated at 17.0' |
| 18.0 | | | | | |

TP-28 sampled
4.5'-13.5'

Fill was 14'
thick at
property line
and thickened
south into
landfill

DELTA ENVIRONMENTAL CONSULTANTS, INC.

TEST PIT LOG

TEST PIT NO.: TP-29

| | | | | | |
|---------------------------------|--|--|--|--------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| PROJECT: Crouse-Hinds | | | | | Sheet 1 of 1 |
| CLIENT: Cooper Industries, Inc. | | | | | |
| DELTA PROJECT NO: 0310025P | | | | | |
| EXCAVATION METHOD: Backhoe | | | | | |
| | | | | | DATE: 10-25-05 |
| CONTRACTOR: PEC | | | | | INSPECTOR: Jennifer L. Hull |
| DEPTH
IN FT. | | | | PID
(ppm) | |
| | | | | | SOIL DESCRIPTION |
| | | | | 0.0 | Dark brown, Topsoil, moist |
| 1.0 | | | | | 1.0' |
| | | | | 1.2 | Black, fine, Foundry Sand with fill (household debris, glass, paper, metal, wood, rubber, plastic), dry, moderate degraded petroleum odor and decaying organic odor |
| 2.0 | | | | | |
| 3.0 | | | | | |
| 4.0 | | | | | |
| 5.0 | | | | | |
| 6.0 | | | | | |
| 7.0 | | | | | |
| 8.0 | | | | | |
| 9.0 | | | | 0.0 | Saturated at 9.0' |
| 10.0 | | | | | 10.0' |
| | | | | 0.0 | Brown, Peat, damp |
| 11.0 | | | | | 11.0' |
| | | | | | Excavation terminated at 11.0' |
| 12.0 | | | | | |
| 13.0 | | | | | |
| 14.0 | | | | | |
| 15.0 | | | | | |
| 16.0 | | | | | |
| 17.0 | | | | | |
| 18.0 | | | | | |

Fill was 8'
thick at
property line
and thickened
west into
landfill

DELTA ENVIRONMENTAL CONSULTANTS, INC.

TEST PIT LOG

TEST PIT NO.: TP-30

| | | | | | |
|---------------------------------|--|--|--|--------------|----------------------------------------------------------------|
| PROJECT: Crouse-Hinds | | | | | Sheet 1 of 1 |
| CLIENT: Cooper Industries, Inc. | | | | | |
| DELTA PROJECT NO: 0310025P | | | | | |
| EXCAVATION METHOD: Backhoe | | | | | |
| | | | | | DATE: 10-25-05 |
| CONTRACTOR: PEC | | | | | INSPECTOR: Jennifer L. Hull |
| DEPTH
IN FT. | | | | PID
(ppm) | |
| | | | | | SOIL DESCRIPTION |
| | | | | 0.0 | Black, Topsoil, moist |
| 1.0 | | | | | 1.0' |
| | | | | 0.0 | Gray, medium Sand and Gravel, moist |
| 2.0 | | | | | |
| | | | | | |
| 3.0 | | | | | 3.0' |
| | | | | 6.7 | Black, fine, Foundry Sand with some gray sand and gravel |
| 4.0 | | | | | and fill (household debris (glass, paper, metal, wood, rubber, |
| | | | | | plastic), dry, slight degraded petroleum odor and decaying |
| 5.0 | | | | | organic odor |
| | | | | | |
| 6.0 | | | | | 6.0' |
| | | | | 0.0 | Gray, medium Sand and Gravel fill, dry, slight degraded |
| 7.0 | | | | | petroleum odor |
| | | | | | |
| 8.0 | | | | | |
| | | | | | |
| 9.0 | | | | | |
| | | | | | |
| 10.0 | | | | | |
| | | | | 0.0 | Saturated at 10.0' |
| 11.0 | | | | | |
| | | | | | |
| 12.0 | | | | | 12.0' |
| | | | | 0.0 | Brown, Peat, damp |
| 13.0 | | | | | 13.0' |
| | | | | | Excavation terminated at 13.0' |
| 14.0 | | | | | |
| | | | | | |
| 15.0 | | | | | |
| | | | | | |
| 16.0 | | | | | |
| | | | | | |
| 17.0 | | | | | |
| | | | | | |
| 18.0 | | | | | |

TP-30 sampled
3'-11'

Fill was 10'
thick at
property line
and thickened
west into
landfill

DELTA ENVIRONMENTAL CONSULTANTS, INC.

TEST PIT LOG

TEST PIT NO.: TP-31

| PROJECT: Crouse-Hinds | | | | | Sheet 1 of 1 | |
|---------------------------------|--|-----------------------------|--|--------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------|
| CLIENT: Cooper Industries, Inc. | | | | | | |
| DELTA PROJECT NO: 0310025P | | | | | | |
| EXCAVATION METHOD: Backhoe | | | | | DATE: 10-25-05 | |
| CONTRACTOR: PEC | | INSPECTOR: Jennifer L. Hull | | | | |
| DEPTH
IN FT. | | | | PID
(ppm) | SOIL DESCRIPTION | REMARKS |
| | | | | 0.0 | Black, Topsoil, moist | 0.5' |
| 1.0 | | | | 0.0 | Brown, fine, Sand, moist, green staining, no odor | 1.0' |
| | | | | 0.0 | Gray, Gravel Fill, moist, black staining, degraded petroleum odor | |
| 2.0 | | | | | | |
| | | | | | | |
| 3.0 | | | | | | |
| | | | | | | |
| 4.0 | | | | | | 4.0' |
| | | | | 0.0 | Black, fine, Foundry Sand with some fill (household debris, glass, paper, rubber, plastic, metal and lumber), moist, moderate degraded petroleum odor and organic decay odor | |
| 5.0 | | | | | | |
| | | | | | | |
| 6.0 | | | | | | |
| | | | | 0.0 | Saturated at 6.0' | |
| 7.0 | | | | | | |
| | | | | | | |
| 8.0 | | | | | | 8.0' |
| | | | | | Terminated excavation at 8.0' | |
| 9.0 | | | | | | |
| | | | | | | |
| 10.0 | | | | | | |
| | | | | | | |
| 11.0 | | | | | | |
| | | | | | | |
| 12.0 | | | | | | |
| | | | | | | |
| 13.0 | | | | | | |
| | | | | | | |
| 14.0 | | | | | | |
| | | | | | | |
| 15.0 | | | | | | |
| | | | | | | |
| 16.0 | | | | | | |
| | | | | | | |
| 17.0 | | | | | | |
| | | | | | | |
| 18.0 | | | | | | |

Test pit filled quickly with water and could not determine bottom of fill

DELTA ENVIRONMENTAL CONSULTANTS, INC.

TEST PIT LOG

TEST PIT NO.: TP-32

| | | | | | |
|---------------------------------|--|-----------------------------|--|--------------|------------------------------------------------------------------------------------------------------------------------------------|
| PROJECT: Crouse-Hinds | | | | | Sheet 1 of 1 |
| CLIENT: Cooper Industries, Inc. | | | | | |
| DELTA PROJECT NO: 0310025P | | | | | |
| EXCAVATION METHOD: Backhoe | | | | | DATE: 10-25-05 |
| CONTRACTOR: PEC | | INSPECTOR: Jennifer L. Hull | | | |
| DEPTH
IN FT. | | | | PID
(ppm) | REMARKS |
| | | | | 0.0 | Brown, Topsoil, moist 0.5' |
| 1.0 | | | | 5.2 | Black, fine, Foundry Sand with some fill (wood, plastic, metal, glass and hardened paint (yellow)), moist, degraded petroleum odor |
| 2.0 | | | | | |
| 3.0 | | | | | |
| 4.0 | | | | | |
| 5.0 | | | | | |
| 6.0 | | | | | |
| 7.0 | | | | | |
| 8.0 | | | | | |
| 9.0 | | | | | |
| 10.0 | | | | | |
| 11.0 | | | | | |
| 12.0 | | | | | |
| | | | | 0.0 | Saturated, oily sheen on groundwater surface |
| 13.0 | | | | | |
| 14.0 | | | | | |
| | | | | 0.0 | Brown, Peat, damp 14.0' |
| 15.0 | | | | | 15.0' |
| 16.0 | | | | | Excavation terminated at 15.0' |
| 17.0 | | | | | |
| 18.0 | | | | | |

TP-32 sampled
1'-12'

Fill was 12'
thick at
property line
and thickened
west into
landfill

DELTA ENVIRONMENTAL CONSULTANTS, INC.

TEST PIT LOG

TEST PIT NO.: TP-33

| | | | | | |
|---------------------------------|--|--|--|--------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| PROJECT: Crouse-Hinds | | | | | Sheet 1 of 1 |
| CLIENT: Cooper Industries, Inc. | | | | | |
| DELTA PROJECT NO: 0310025P | | | | | |
| EXCAVATION METHOD: Backhoe | | | | | |
| | | | | | DATE: 10-25-05 |
| CONTRACTOR: PEC | | | | | INSPECTOR: Jennifer L. Hull |
| DEPTH
IN FT. | | | | PID
(ppm) | |
| | | | | | SOIL DESCRIPTION |
| | | | | 0.0 | Brown, Topsoil, moist 0.5' |
| 1.0 | | | | 0.0 | Fill (wood, plastic, glass, hardened paint (yellow), paper and metal debris) mixed with some topsoil, moist, slight decay odor |
| | | | | | |
| 2.0 | | | | | |
| | | | | | |
| 3.0 | | | | | 3.0' |
| | | | | 0.0 | Black, Clay and fine, Foundry Sand with some fill (metal, plastic, wood, paper and glass debris), damp, slight organic decay odor, red staining in clay and sand |
| 4.0 | | | | | |
| | | | | | |
| 5.0 | | | | | |
| 6.0 | | | | | |
| | | | | 4.2 | Wet at 6.0' |
| 7.0 | | | | | Fill extended into wetland; Fill was 3' thick in wetland and thickened west into landfill |
| | | | | | |
| 8.0 | | | | | |
| | | | | | |
| 9.0 | | | | | |
| | | | | | |
| 10.0 | | | | | |
| | | | | | |
| 11.0 | | | | | |
| | | | | | |
| 12.0 | | | | | Black Peat underlaid fill in wetland |
| | | | | | |
| 13.0 | | | | | |
| | | | | | |
| 14.0 | | | | | |
| | | | | | |
| 15.0 | | | | | |
| | | | | | |
| | | | | 0.0 | Brown-gray, Clay, wet 15.5' |
| 16.0 | | | | | Excavation terminated at 15.5' |
| | | | | | |
| 17.0 | | | | | |
| 18.0 | | | | | |

DELTA ENVIRONMENTAL CONSULTANTS, INC.

TEST PIT LOG

TEST PIT NO.: TP-34

| | | | | | | |
|---------------------------------|--|--|--|--------------|-----------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------|
| PROJECT: Crouse-Hinds | | | | | Sheet 1 of 1 | |
| CLIENT: Cooper Industries, Inc. | | | | | | |
| DELTA PROJECT NO: 0310025P | | | | | | |
| EXCAVATION METHOD: Backhoe | | | | | | |
| CONTRACTOR: PEC | | | | | INSPECTOR: Jennifer L. Hull | |
| | | | | | DATE: 10-25-05 | |
| DEPTH
IN FT. | | | | PID
(ppm) | SOIL DESCRIPTION | REMARKS |
| | | | | 0.0 | Brown, Topsoil with some fill (plastic and wood debris), moist | Fill extended into wetland;
Fill was 2' thick in wetland and thickened northwest into landfill |
| 1.0 | | | | | | |
| | | | | | | |
| 2.0 | | | | | | |
| | | | | 1.7 | Black, fine, Foundry Sand with some fill (plastic and wood debris), moist, slight degraded petroleum odor | |
| 3.0 | | | | | | |
| 4.0 | | | | | | |
| | | | | 0.0 | Saturated at 4.0' | |
| 5.0 | | | | | | |
| 6.0 | | | | | | |
| | | | | 0.0 | Black, Peat, damp | 6.0' |
| 7.0 | | | | | Excavation terminated at 6.5' | 6.5' |
| 8.0 | | | | | | TP-34
Sampled 2'-6' |
| 9.0 | | | | | | |
| 10.0 | | | | | | |
| 11.0 | | | | | | |
| 12.0 | | | | | | |
| 13.0 | | | | | | |
| 14.0 | | | | | | |
| 15.0 | | | | | | |
| 16.0 | | | | | | |
| 17.0 | | | | | | |
| 18.0 | | | | | | |

DELTA ENVIRONMENTAL CONSULTANTS, INC.

TEST PIT LOG

TEST PIT NO.: TP-35

| | | | | | |
|---------------------------------|--|--|-----------------------------|--------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| PROJECT: Crouse-Hinds | | | | | Sheet 1 of 1 |
| CLIENT: Cooper Industries, Inc. | | | | | |
| DELTA PROJECT NO: 0310025P | | | | | |
| EXCAVATION METHOD: Backhoe | | | | | |
| | | | | | DATE: 10-25-05 |
| CONTRACTOR: PEC | | | INSPECTOR: Jennifer L. Hull | | |
| DEPTH
IN FT. | | | | PID
(ppm) | REMARKS |
| | | | | 0.0 | Brown, Topsoil with some fill (plastic and wood debris), moist 0.5' |
| 1.0 | | | | 12.4 | Black, fine, Foundry Sand with some fill (plastic, metal, hardened paint (yellow) and wood debris), wet, degraded petroleum odor, oily sheen on water seeping into hole |
| 2.0 | | | | | |
| 3.0 | | | | | |
| 4.0 | | | | | |
| | | | | 14.2 | Saturated, oily sheen on groundwater, strong solvent-like odor |
| 5.0 | | | | | |
| 6.0 | | | | | |
| 7.0 | | | | | |
| 8.0 | | | | | |
| | | | | 0.0 | Black, Peat, damp |
| 9.0 | | | | | Excavation terminated at 8.5' |
| 10.0 | | | | | |
| 11.0 | | | | | |
| 12.0 | | | | | |
| 13.0 | | | | | |
| 14.0 | | | | | |
| 15.0 | | | | | |
| 16.0 | | | | | |
| 17.0 | | | | | |
| 18.0 | | | | | |

Fill extended into wetland; Fill was 2' thick in wetland and thickened north into landfill

TP-35 sampled at 1'-8'

DELTA ENVIRONMENTAL CONSULTANTS, INC.

TEST PIT LOG

TEST PIT NO.: TP-36

| | | | | | |
|---------------------------------|--|--|--|--------------|------------------------------------------------------------------|
| PROJECT: Crouse-Hinds | | | | | Sheet 1 of 1 |
| CLIENT: Cooper Industries, Inc. | | | | | |
| DELTA PROJECT NO: 0310025P | | | | | |
| EXCAVATION METHOD: Backhoe | | | | | |
| | | | | | DATE: 10-25-05 |
| CONTRACTOR: PEC | | | | | INSPECTOR: Jennifer L. Hull |
| DEPTH
IN FT. | | | | PID
(ppm) | |
| | | | | | SOIL DESCRIPTION |
| | | | | | REMARKS |
| | | | | 0.0 | Black, fine, Foundry Sand, moist, slight degraded petroleum odor |
| 1.0 | | | | | |
| 2.0 | | | | | |
| 3.0 | | | | | |
| 4.0 | | | | | |
| | | | | 0.0 | Water seeping into hole at 4.0' |
| 5.0 | | | | | |
| 6.0 | | | | | |
| 7.0 | | | | | |
| 8.0 | | | | | |
| 9.0 | | | | | |
| 10.0 | | | | | |
| 11.0 | | | | | |
| 12.0 | | | | | |
| 13.0 | | | | | |
| 14.0 | | | | 1.7 | Saturated at 13.5' |
| 15.0 | | | | | |
| 16.0 | | | | | |
| 17.0 | | | | | 17.0' |
| | | | | 0.0 | Black, Peat, damp |
| 18.0 | | | | | 17.5' |
| | | | | | Excavation terminated at 17.5' |

Fill extended into wetland; Fill was 2.5' thick in wetland and thickened west towards landfill

DELTA ENVIRONMENTAL CONSULTANTS, INC.

TEST PIT LOG

TEST PIT NO.: TP-37

| | | | | | |
|---------------------------------|--|--|-----------------------------|--------------|------------------------------------------------------------------|
| PROJECT: Crouse-Hinds | | | | | Sheet 1 of 1 |
| CLIENT: Cooper Industries, Inc. | | | | | |
| DELTA PROJECT NO: 0310025P | | | | | |
| EXCAVATION METHOD: Backhoe | | | | | |
| | | | | | DATE: 10-25-05 |
| CONTRACTOR: PEC | | | INSPECTOR: Jennifer L. Hull | | |
| DEPTH
IN FT. | | | | PID
(ppm) | |
| | | | | | SOIL DESCRIPTION |
| | | | | | REMARKS |
| | | | | 0.0 | Brown, Topsoil, damp 0.5' |
| 1.0 | | | | 1.7 | Black, fine, Foundry Sand, moist, slight degraded petroleum odor |
| 2.0 | | | | | |
| 3.0 | | | | | |
| 4.0 | | | | | |
| 5.0 | | | | | |
| | | | | 0.0 | Water seeping into hole at 5.0' |
| 6.0 | | | | | |
| 7.0 | | | | | |
| 8.0 | | | | | |
| 9.0 | | | | | |
| 10.0 | | | | | |
| 11.0 | | | | | |
| 12.0 | | | | | |
| 13.0 | | | | | |
| 14.0 | | | | 1.7 | Saturated at 13.5' |
| 15.0 | | | | | |
| 16.0 | | | | | |
| 17.0 | | | | | 17.0' |
| | | | | 0.0 | Black, Peat, damp 17.5' |
| 18.0 | | | | | Excavation terminated at 17.5' |

Fill extended to wetland

DELTA ENVIRONMENTAL CONSULTANTS, INC.

TEST PIT LOG

TEST PIT NO.: TP-38

| PROJECT: Crouse-Hinds | | | | | Sheet 1 of 1 | |
|---------------------------------|--|-----------------------------|--|--------------|----------------------------------------------------------------------------------------|-------------------------|
| CLIENT: Cooper Industries, Inc. | | | | | | |
| DELTA PROJECT NO: 0310025P | | | | | | |
| EXCAVATION METHOD: Backhoe | | | | | DATE: 10-26-05 | |
| CONTRACTOR: PEC | | INSPECTOR: Jennifer L. Hull | | | | |
| DEPTH
IN FT. | | | | PID
(ppm) | SOIL DESCRIPTION | REMARKS |
| | | | | 0.0 | Brown, Topsoil, damp | 0.5' |
| 1.0 | | | | 0.0 | Black, fine, Foundry Sand with trace wood debris, damp, slight degraded petroleum odor | TP-38 sampled
2'-16' |
| 2.0 | | | | | | |
| 3.0 | | | | 0.0 | Dry at 2.5' | |
| 4.0 | | | | | | |
| 5.0 | | | | | | |
| 6.0 | | | | | | |
| 7.0 | | | | | | |
| 8.0 | | | | | | |
| 9.0 | | | | | | |
| 10.0 | | | | | | |
| | | | | 0.0 | Same as above | |
| 11.0 | | | | | | |
| 12.0 | | | | | | |
| 13.0 | | | | | | |
| 14.0 | | | | | | |
| 15.0 | | | | | | |
| 16.0 | | | | | | 16.0' |
| | | | | 0.0 | Brown, Peat, damp | 16.5' |
| 17.0 | | | | | Excavation terminated at 16.5' | |
| 18.0 | | | | | | |

DELTA ENVIRONMENTAL CONSULTANTS, INC.

TEST PIT LOG

TEST PIT NO.: TP-39

| | | | | | | |
|---------------------------------|--|--|--|--------------|-----------------------------|---------------------------------------------------------------------------------------------------|
| PROJECT: Crouse-Hinds | | | | | Sheet 1 of 2 | |
| CLIENT: Cooper Industries, Inc. | | | | | | |
| DELTA PROJECT NO: 0310025P | | | | | | |
| EXCAVATION METHOD: Backhoe | | | | | | |
| | | | | | DATE: 10-26-05 | |
| CONTRACTOR: PEC | | | | | INSPECTOR: Jennifer L. Hull | |
| DEPTH
IN FT. | | | | PID
(ppm) | REMARKS | |
| | | | | 0.0 | Brown, Topsoil, damp 0.8' | |
| 1.0 | | | | | | |
| | | | | 0.0 | | Brown, fine, Sand with some red-brown Clay, damp |
| 2.0 | | | | | | |
| | | | | | | |
| 3.0 | | | | | | 3.0' |
| | | | | 1.8 | | Black, fine, Foundry Sand with some fill (plastic and metal debris), dry, degraded petroleum odor |
| 4.0 | | | | | | |
| | | | | | | |
| 5.0 | | | | | | |
| | | | | | | |
| 6.0 | | | | | | |
| | | | | | | |
| 7.0 | | | | | | |
| | | | | | | |
| 8.0 | | | | | | |
| | | | | | | |
| 9.0 | | | | | | |
| | | | | | | |
| 10.0 | | | | | | |
| | | | | 0.0 | Same as above | |
| 11.0 | | | | | | |
| | | | | | | |
| 12.0 | | | | | | |
| | | | | | | |
| 13.0 | | | | | | |
| | | | | | | |
| 14.0 | | | | | | |
| | | | | | | |
| 15.0 | | | | | | |
| | | | | | | |
| 16.0 | | | | | | |
| | | | | | | |
| 17.0 | | | | | | |
| | | | | | | |
| 18.0 | | | | 0.0 | Wet at 17.5' | |

DELTA ENVIRONMENTAL CONSULTANTS, INC.

TEST PIT LOG

TEST PIT NO.: TP-39

| | | | | | | |
|---------------------------------|--|--|--|--------------|--------------------------------|---------|
| PROJECT: Crouse-Hinds | | | | | Sheet 2 of 2 | |
| CLIENT: Cooper Industries, Inc. | | | | | | |
| DELTA PROJECT NO: 0310025P | | | | | | |
| EXCAVATION METHOD: Backhoe | | | | | | |
| | | | | | DATE: 10-26-05 | |
| CONTRACTOR: PEC | | | | | INSPECTOR: Jennifer L. Hull | |
| DEPTH
IN FT. | | | | PID
(ppm) | SOIL DESCRIPTION | REMARKS |
| 19.0 | | | | | | |
| 20.0 | | | | | | |
| | | | | 0.0 | Brown, Peat, damp | 20.0' |
| 21.0 | | | | | Excavation terminated at 20.5' | 20.5' |
| 22.0 | | | | | | |
| 23.0 | | | | | | |
| 24.0 | | | | | | |
| 25.0 | | | | | | |
| 26.0 | | | | | | |
| 27.0 | | | | | | |
| 28.0 | | | | | | |
| 29.0 | | | | | | |
| 30.0 | | | | | | |
| 31.0 | | | | | | |
| 32.0 | | | | | | |
| 33.0 | | | | | | |
| 34.0 | | | | | | |
| 35.0 | | | | | | |
| 36.0 | | | | | | |

TEST PIT LOG
TEST PIT NO.: TP-40

| | | | | | | | |
|---------------------------------|--|--|--|--------------|---------------------------------------------------------------------------|-------------------------|--|
| PROJECT: Crouse-Hinds | | | | | Sheet 1 of 1 | | |
| CLIENT: Cooper Industries, Inc. | | | | | | | |
| DELTA PROJECT NO: 0310025P | | | | | | | |
| EXCAVATION METHOD: Backhoe | | | | | | | |
| | | | | | DATE: 10-26-05 | | |
| CONTRACTOR: PEC | | | | | INSPECTOR: Jennifer L. Hull | | |
| DEPTH
IN FT. | | | | PID
(ppm) | SOIL DESCRIPTION | REMARKS | |
| | | | | 0.0 | Brown, Topsoil, damp | 0.5' | |
| 1.0 | | | | 0.0 | Fill (plastic, wood and ceramic tile debris) with some brown, clay, moist | TP-40 sampled
1'-11' | |
| 2.0 | | | | | | | |
| 3.0 | | | | | | | |
| 4.0 | | | | | | | |
| 5.0 | | | | | | | |
| 6.0 | | | | | | | |
| 7.0 | | | | | | | |
| 8.0 | | | | | | | |
| 9.0 | | | | | | | |
| 10.0 | | | | | | | |
| | | | | 2.3 | Black, fine, Foundry Sand, dry, slight degraded petroleum odor | 6.0' | |
| 12.0 | | | | | | 12.0' | |
| | | | | 0.0 | Black, Peat, damp | 12.5' | |
| 13.0 | | | | | Excavation terminated at 12.5' | | |
| 14.0 | | | | | | | |
| 15.0 | | | | | | | |
| 16.0 | | | | | | | |
| 17.0 | | | | | | | |
| 18.0 | | | | | | | |

DELTA ENVIRONMENTAL CONSULTANTS, INC.

TEST PIT LOG

TEST PIT NO.: TP-41

| | | | | | |
|---------------------------------|--|--|--|--------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| PROJECT: Crouse-Hinds | | | | | Sheet 1 of 1 |
| CLIENT: Cooper Industries, Inc. | | | | | |
| DELTA PROJECT NO: 0310025P | | | | | |
| EXCAVATION METHOD: Backhoe | | | | | |
| | | | | | DATE: 10-26-05 |
| CONTRACTOR: PEC | | | | | INSPECTOR: Jennifer L. Hull |
| DEPTH
IN FT. | | | | PID
(ppm) | REMARKS |
| | | | | 0.0 | Brown, Topsoil, moist 0.5' |
| 1.0 | | | | 0.0 | Brown, Clay and fine, Sand, moist 4.0' |
| 2.0 | | | | | |
| 3.0 | | | | | |
| 4.0 | | | | | |
| 5.0 | | | | 2.3 | |
| 6.0 | | | | | Fill (glass, paper, rubber, metal, etc.) with some black, fine foundry sand, wet, slight degraded petroleum odor, slight oily sheen on water seeping into hole 8.0' |
| 7.0 | | | | | |
| 8.0 | | | | | |
| 9.0 | | | | 0.0 | |
| 10.0 | | | | | Black, Peat, damp 8.5' |
| 11.0 | | | | | Excavation terminated at 8.5' |
| 12.0 | | | | | |
| 13.0 | | | | | |
| 14.0 | | | | | |
| 15.0 | | | | | |
| 16.0 | | | | | |
| 17.0 | | | | | |
| 18.0 | | | | | |

DELTA ENVIRONMENTAL CONSULTANTS, INC.

TEST PIT LOG

TEST PIT NO.: TP-42

| | | | | | |
|---------------------------------|--|--|--|--------------|---------------------------------------------------------------------------------------------------------------|
| PROJECT: Crouse-Hinds | | | | | Sheet 1 of 1 |
| CLIENT: Cooper Industries, Inc. | | | | | |
| DELTA PROJECT NO: 0310025P | | | | | |
| EXCAVATION METHOD: Backhoe | | | | | |
| | | | | | DATE: 10-26-05 |
| CONTRACTOR: PEC | | | | | INSPECTOR: Jennifer L. Hull |
| DEPTH
IN FT. | | | | PID
(ppm) | |
| | | | | | SOIL DESCRIPTION |
| | | | | | REMARKS |
| | | | | 0.0 | Brown, Topsoil, moist 0.5' |
| 1.0 | | | | 0.0 | Brown-gray, medium, Sand and Gravel fill with some plastic and glass debris, no odors |
| 2.0 | | | | | |
| 3.0 | | | | | |
| 4.0 | | | | | |
| 5.0 | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | 2.5 | Black, fine, Foundry Sand with some fill (plastic and glass debris), dry, slight degraded petroleum odor 5.0' |
| 6.0 | | | | | TP-42 sampled 6'-15' |
| 7.0 | | | | | |
| 8.0 | | | | | |
| 9.0 | | | | | |
| 10.0 | | | | | |
| 11.0 | | | | | |
| 12.0 | | | | 3.7 | |
| 13.0 | | | | | |
| 14.0 | | | | | |
| | | | | | |
| | | | | 3.7 | Gray and black, Clay, wet, degraded petroleum odor 14.0' |
| 15.0 | | | | | 15.0' |
| | | | | 0.0 | Black, Peat, damp 15.5' |
| 16.0 | | | | | Excavation terminated at 15.5' |
| 17.0 | | | | | |
| 18.0 | | | | | |

DELTA ENVIRONMENTAL CONSULTANTS, INC.

TEST PIT LOG

TEST PIT NO.: TP-43

| | | | | | |
|---------------------------------|--|--|--|--------------|-------------------------------------------------------------------------------------------------------------------|
| PROJECT: Crouse-Hinds | | | | | Sheet 1 of 1 |
| CLIENT: Cooper Industries, Inc. | | | | | |
| DELTA PROJECT NO: 0310025P | | | | | |
| EXCAVATION METHOD: Backhoe | | | | | |
| | | | | | DATE: 10-26-05 |
| CONTRACTOR: PEC | | | | | INSPECTOR: Jennifer L. Hull |
| DEPTH
IN FT. | | | | PID
(ppm) | |
| | | | | | SOIL DESCRIPTION |
| | | | | 0.0 | Brown, Topsoil, moist 0.5' |
| 1.0 | | | | 2.8 | Black, fine, Foundry Sand and Fill (glass, plastic, paper and metal debris), damp, slight degraded petroleum odor |
| 2.0 | | | | | |
| 3.0 | | | | | |
| 4.0 | | | | 2.5 | |
| 5.0 | | | | | |
| 6.0 | | | | | |
| 7.0 | | | | 0.0 | |
| 8.0 | | | | | |
| 9.0 | | | | | |
| 10.0 | | | | | |
| 11.0 | | | | | Black, Peat, damp 6.5' |
| 12.0 | | | | | |
| 13.0 | | | | | |
| 14.0 | | | | | |
| 15.0 | | | | | |
| 16.0 | | | | | |
| 17.0 | | | | | |
| 18.0 | | | | | |

Fill was 3' thick at edge of creek and thickened east into landfill

Wet at 3.0'

Excavation terminated at 6.6'

DELTA ENVIRONMENTAL CONSULTANTS, INC.

TEST PIT LOG

TEST PIT NO.: TP-44

| | | | | | |
|---------------------------------|--|--|--|--------------|---------------------------------------------------------------------------------------------------------------------------|
| PROJECT: Crouse-Hinds | | | | | Sheet 1 of 1 |
| CLIENT: Cooper Industries, Inc. | | | | | |
| DELTA PROJECT NO: 0310025P | | | | | |
| EXCAVATION METHOD: Backhoe | | | | | |
| | | | | | DATE: 10-26-05 |
| CONTRACTOR: PEC | | | | | INSPECTOR: Jennifer L. Hull |
| DEPTH
IN FT. | | | | PID
(ppm) | |
| | | | | | SOIL DESCRIPTION |
| | | | | 0.0 | Brown, Topsoil, moist |
| 1.0 | | | | | 1.0' |
| | | | | 0.0 | Brown, Clay, moist |
| 2.0 | | | | | |
| | | | | | |
| 3.0 | | | | | 3.0' |
| | | | | 0.0 | Fill (glass, metal, paper debris), moist |
| 4.0 | | | | | |
| | | | | | |
| 5.0 | | | | | 5.0' |
| | | | | 4.8 | Black, fine, Foundry Sand, with some fill (glass, plastic, metal, paper and plastic debris), wet, degraded petroleum odor |
| 6.0 | | | | | |
| | | | | | |
| 7.0 | | | | | |
| | | | | | |
| 8.0 | | | | | |
| | | | | | |
| 9.0 | | | | | 9.0' |
| | | | | 0.0 | Black, Peat, damp |
| | | | | | 9.5' |
| 10.0 | | | | | Excavation terminated at 9.5' |
| | | | | | |
| 11.0 | | | | | |
| | | | | | |
| 12.0 | | | | | |
| | | | | | |
| 13.0 | | | | | |
| | | | | | |
| 14.0 | | | | | |
| | | | | | |
| 15.0 | | | | | |
| | | | | | |
| 16.0 | | | | | |
| | | | | | |
| 17.0 | | | | | |
| | | | | | |
| 18.0 | | | | | |

TP-44 sampled 7'-9'

Fill was 7' thick at edge of creek and thickened east into landfill

DELTA ENVIRONMENTAL CONSULTANTS, INC.

TEST PIT LOG

TEST PIT NO.: TP-45

| | | | | | | |
|---------------------------------|--|--|--|--------------|----------------------------------------------------------------------------------------------------------------------------------|---------|
| PROJECT: Crouse-Hinds | | | | | Sheet 1 of 1 | |
| CLIENT: Cooper Industries, Inc. | | | | | | |
| DELTA PROJECT NO: 0310025P | | | | | | |
| EXCAVATION METHOD: Backhoe | | | | | | |
| | | | | | DATE: 10-26-05 | |
| CONTRACTOR: PEC | | | | | INSPECTOR: Jennifer L. Hull | |
| DEPTH
IN FT. | | | | PID
(ppm) | SOIL DESCRIPTION | REMARKS |
| | | | | 0.0 | Black, Topsoil, moist | |
| 1.0 | | | | | | 1.0' |
| | | | | 3.2 | Black, fine, Foundry Sand with some fill (red-brown sand, metal plastic, glass and paper debris), moist, degraded petroleum odor | |
| 2.0 | | | | | | |
| | | | | | | |
| 3.0 | | | | | | 3.5 |
| | | | | 3.5 | Black, fine, Foundry Sand, wet, degraded petroleum odor | |
| 4.0 | | | | | | |
| | | | | | | |
| 5.0 | | | | | | |
| | | | | | | |
| 6.0 | | | | | | 6.0' |
| | | | | 0.0 | Black, Peat, damp | |
| 7.0 | | | | | | 7.0' |
| | | | | | Excavation terminated at 7.0' | |
| 8.0 | | | | | | |
| | | | | | | |
| 9.0 | | | | | | |
| | | | | | | |
| 10.0 | | | | | | |
| | | | | | | |
| 11.0 | | | | | | |
| | | | | | | |
| 12.0 | | | | | | |
| | | | | | | |
| 13.0 | | | | | | |
| | | | | | | |
| 14.0 | | | | | | |
| | | | | | | |
| 15.0 | | | | | | |
| | | | | | | |
| 16.0 | | | | | | |
| | | | | | | |
| 17.0 | | | | | | |
| | | | | | | |
| 18.0 | | | | | | |

TP-45 sampled
2'-5'

Fill was 4' thick
at edge of
creek and
thickened east
into landfill

DELTA ENVIRONMENTAL CONSULTANTS, INC.

TEST PIT LOG

TEST PIT NO.: TP-46

| | | | | | |
|---------------------------------|--|--|--|--------------|----------------------------------------------------------------------------------------------------------------------------------|
| PROJECT: Crouse-Hinds | | | | | Sheet 1 of 1 |
| CLIENT: Cooper Industries, Inc. | | | | | |
| DELTA PROJECT NO: 0310025P | | | | | |
| EXCAVATION METHOD: Backhoe | | | | | |
| | | | | | DATE: 10-26-05 |
| CONTRACTOR: PEC | | | | | INSPECTOR: Jennifer L. Hull |
| DEPTH
IN FT. | | | | PID
(ppm) | |
| | | | | | SOIL DESCRIPTION |
| | | | | 0.0 | Brown, Topsoil, moist |
| 1.0 | | | | | 1.0' |
| | | | | 1.2 | Black, fine, Foundry Sand with some fill (paper, plastic, metal, rubber and glass debris), moist, slight degraded petroleum odor |
| 2.0 | | | | | |
| 3.0 | | | | | |
| 4.0 | | | | | |
| | | | | 0.0 | Wet at 4.0' |
| 5.0 | | | | | |
| 6.0 | | | | | 6.5' |
| | | | | 0.0 | Black peat, damp |
| 7.0 | | | | | 7.0' |
| | | | | | Excavation terminated at 7.0' |
| 8.0 | | | | | |
| 9.0 | | | | | |
| 10.0 | | | | | |
| 11.0 | | | | | |
| 12.0 | | | | | |
| 13.0 | | | | | |
| 14.0 | | | | | |
| 15.0 | | | | | |
| 16.0 | | | | | |
| 17.0 | | | | | |
| 18.0 | | | | | |

Fill was 5' thick at edge of creek and thickened east into landfill

DELTA ENVIRONMENTAL CONSULTANTS, INC.

TEST PIT LOG

TEST PIT NO.: TP-47

| | | | | | |
|---------------------------------|--|--|--|--------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------|
| PROJECT: Crouse-Hinds | | | | | Sheet 1 of 1 |
| CLIENT: Cooper Industries, Inc. | | | | | |
| DELTA PROJECT NO: 0310025P | | | | | |
| EXCAVATION METHOD: Backhoe | | | | | |
| | | | | | DATE: 10-26-05 |
| CONTRACTOR: PEC | | | | | INSPECTOR: Jennifer L. Hull |
| DEPTH
IN FT. | | | | PID
(ppm) | |
| | | | | | SOIL DESCRIPTION |
| | | | | 0.0 | Brown, Topsoil, moist 0.5' |
| 1.0 | | | | 0.0 | Fill (glass, paper, metal, rubber and plastic debris) with trace black, fine, foundry sand, moist, slight petroleum odor, red and brown staining throughout |
| 2.0 | | | | | |
| 3.0 | | | | | |
| 4.0 | | | | | |
| 5.0 | | | | | |
| 6.0 | | | | | |
| 7.0 | | | | | |
| 8.0 | | | | | |
| 9.0 | | | | | |
| 10.0 | | | | | |
| | | | | 0.0 | Black, Peat, damp 6.0' |
| | | | | | Excavation terminated at 6.0' |
| 7.0 | | | | | Fill was 4' thick at edge of creek and thickened east into landfill |
| 8.0 | | | | | |
| 9.0 | | | | | |
| 10.0 | | | | | |
| 11.0 | | | | | |
| 12.0 | | | | | |
| 13.0 | | | | | |
| 14.0 | | | | | |
| 15.0 | | | | | |
| 16.0 | | | | | |
| 17.0 | | | | | |
| 18.0 | | | | | |

DELTA ENVIRONMENTAL CONSULTANTS, INC.

TEST PIT LOG

TEST PIT NO.: TP-48

| | | | | | | |
|---------------------------------|--|--|--|--------------|-----------------------------------------------------------------------------------------------------------|-----------------------|
| PROJECT: Crouse-Hinds | | | | | Sheet 1 of 1 | |
| CLIENT: Cooper Industries, Inc. | | | | | | |
| DELTA PROJECT NO: 0310025P | | | | | | |
| EXCAVATION METHOD: Backhoe | | | | | | |
| | | | | | DATE: 10-26-05 | |
| CONTRACTOR: PEC | | | | | INSPECTOR: Jennifer L. Hull | |
| DEPTH
IN FT. | | | | PID
(ppm) | SOIL DESCRIPTION | REMARKS |
| | | | | 0.0 | Brown, Topsoil, moist 0.5' | TP-48 sampled 1'-5.5' |
| 1.0 | | | | 2.5 | Black, fine, Foundry Sand and Fill (glass, paper, plastic, rubber), moist, slight degraded petroleum odor | |
| 2.0 | | | | | | |
| 3.0 | | | | | | |
| 4.0 | | | | | | |
| 5.0 | | | | 0.0 | Wet at 4.5' | |
| 6.0 | | | | | | |
| | | | | 0.0 | Brown, Peat, damp 6.0' | |
| 7.0 | | | | | Excavation terminated at 6.5' | |
| 8.0 | | | | | | |
| 9.0 | | | | | | |
| 10.0 | | | | | | |
| 11.0 | | | | | | |
| 12.0 | | | | | | |
| 13.0 | | | | | | |
| 14.0 | | | | | | |
| 15.0 | | | | | | |
| 16.0 | | | | | | |
| 17.0 | | | | | | |
| 18.0 | | | | | | |

DELTA ENVIRONMENTAL CONSULTANTS, INC.

TEST PIT LOG

TEST PIT NO.: TP-49

| PROJECT: Crouse-Hinds | | | | | Sheet 1 of 1 | |
|---------------------------------|--|-----------------------------|--|--------------|------------------------------------------------------------|------------------------|
| CLIENT: Cooper Industries, Inc. | | | | | | |
| DELTA PROJECT NO: 0310025P | | | | | | |
| EXCAVATION METHOD: Backhoe | | | | | DATE: 10-27-05 | |
| CONTRACTOR: PEC | | INSPECTOR: Jennifer L. Hull | | | | |
| DEPTH
IN FT. | | | | PID
(ppm) | SOIL DESCRIPTION | REMARKS |
| | | | | 0.0 | Brown, Topsoil, moist | TP-49 sampled
2'-4' |
| 1.0 | | | | | | |
| 2.0 | | | | | 2.0' | |
| | | | | 1.4 | Brown-gray, medium to coarse, Sand and Gravel Fill, moist, | |
| 3.0 | | | | | stained black, slight degraded petroleum odor | |
| | | | | | | |
| 4.0 | | | | | 4.0' | |
| | | | | 0.0 | Black, Peat, damp | |
| 5.0 | | | | | 4.5' | |
| | | | | | Excavation terminated at 4.5' | |
| 6.0 | | | | | | |
| | | | | | | |
| 7.0 | | | | | | |
| | | | | | | |
| 8.0 | | | | | | |
| | | | | | | |
| 9.0 | | | | | | |
| | | | | | | |
| 10.0 | | | | | | |
| | | | | | | |
| 11.0 | | | | | | |
| | | | | | | |
| 12.0 | | | | | | |
| | | | | | | |
| 13.0 | | | | | | |
| | | | | | | |
| 14.0 | | | | | | |
| | | | | | | |
| 15.0 | | | | | | |
| | | | | | | |
| 16.0 | | | | | | |
| | | | | | | |
| 17.0 | | | | | | |
| | | | | | | |
| 18.0 | | | | | | |

DELTA ENVIRONMENTAL CONSULTANTS, INC.

TEST PIT LOG

TEST PIT NO.: TP-50

| | | | | | |
|---------------------------------|--|--|--|--------------|------------------------------------------------------------------|
| PROJECT: Crouse-Hinds | | | | | Sheet 1 of 1 |
| CLIENT: Cooper Industries, Inc. | | | | | |
| DELTA PROJECT NO: 0310025P | | | | | |
| EXCAVATION METHOD: Backhoe | | | | | |
| | | | | | DATE: 10-27-05 |
| CONTRACTOR: PEC | | | | | INSPECTOR: Jennifer L. Hull |
| DEPTH
IN FT. | | | | PID
(ppm) | |
| | | | | | SOIL DESCRIPTION |
| | | | | 0.0 | Brown, Topsoil, moist |
| 1.0 | | | | | |
| 2.0 | | | | | |
| 3.0 | | | | | 3.5' |
| | | | | 2.5 | Black, fine, Foundry Sand, moist, slight degraded petroleum odor |
| 4.0 | | | | | |
| 5.0 | | | | | |
| 6.0 | | | | | 6.0' |
| | | | | 0.0 | Brown, Peat, damp |
| 7.0 | | | | | 6.5' |
| | | | | | Excavation terminated at 6.5' |
| 8.0 | | | | | |
| 9.0 | | | | | |
| 10.0 | | | | | |
| 11.0 | | | | | |
| 12.0 | | | | | |
| 13.0 | | | | | |
| 14.0 | | | | | |
| 15.0 | | | | | |
| 16.0 | | | | | |
| 17.0 | | | | | |
| 18.0 | | | | | |
| | | | | | |

DELTA ENVIRONMENTAL CONSULTANTS, INC.

TEST PIT LOG

TEST PIT NO.: TP-51

| | | | | | | | |
|---------------------------------|--|--|--|--------------|-------------------------------------------------------------------------------------------------------|---------|------|
| PROJECT: Crouse-Hinds | | | | | Sheet 1 of 1 | | |
| CLIENT: Cooper Industries, Inc. | | | | | | | |
| DELTA PROJECT NO: 0310025P | | | | | | | |
| EXCAVATION METHOD: Backhoe | | | | | | | |
| | | | | | DATE: 10-27-05 | | |
| CONTRACTOR: PEC | | | | | INSPECTOR: Jennifer L. Hull | | |
| DEPTH
IN FT. | | | | PID
(ppm) | SOIL DESCRIPTION | REMARKS | |
| | | | | 0.0 | Dark brown, Topsoil, moist | 0.5' | |
| 1.0 | | | | 2.8 | Black, fine, Foundry Sand with trace fill (glass and metal debris),
moist, degraded petroleum odor | | |
| 2.0 | | | | | | | |
| | | | | 0.0 | Wet at 2.0' | | |
| 3.0 | | | | | | | |
| 4.0 | | | | | | | |
| | | | | | | | |
| 5.0 | | | | | | | 5.0' |
| | | | | 0.0 | Brown, Peat, damp | | 5.5' |
| 6.0 | | | | | Excavation terminated at 5.5' | | |
| 7.0 | | | | | | | |
| | | | | | | | |
| 8.0 | | | | | | | |
| | | | | | | | |
| 9.0 | | | | | | | |
| | | | | | | | |
| 10.0 | | | | | | | |
| | | | | | | | |
| 11.0 | | | | | | | |
| | | | | | | | |
| 12.0 | | | | | | | |
| | | | | | | | |
| 13.0 | | | | | | | |
| | | | | | | | |
| 14.0 | | | | | | | |
| | | | | | | | |
| 15.0 | | | | | | | |
| | | | | | | | |
| 16.0 | | | | | | | |
| | | | | | | | |
| 17.0 | | | | | | | |
| | | | | | | | |
| 18.0 | | | | | | | |

DELTA ENVIRONMENTAL CONSULTANTS, INC.

TEST PIT LOG

TEST PIT NO.: TP-52

| | | | | | | |
|---------------------------------|--|--|--|--------------|------------------------------------------------------------------|----------------------------|
| PROJECT: Crouse-Hinds | | | | | Sheet 1 of 1 | |
| CLIENT: Cooper Industries, Inc. | | | | | | |
| DELTA PROJECT NO: 0310025P | | | | | | |
| EXCAVATION METHOD: Backhoe | | | | | | |
| | | | | | DATE: 10-27-05 | |
| CONTRACTOR: PEC | | | | | INSPECTOR: Jennifer L. Hull | |
| DEPTH
IN FT. | | | | PID
(ppm) | SOIL DESCRIPTION | REMARKS |
| | | | | 0.0 | Dark brown, organic soil, moist | 0.5' |
| 1.0 | | | | 1.7 | Black, fine, Foundry Sand, moist, slight degraded petroleum odor | Fill extended into wetland |
| 2.0 | | | | | | |
| | | | | 1.7 | Wet at 2.0' | |
| 3.0 | | | | | | |
| 4.0 | | | | | | |
| | | | | | | |
| | | | | 0.0 | Dark brown, Peat, damp | 4.0' |
| 5.0 | | | | | Excavation terminated at 4.5' | 4.5' |
| 6.0 | | | | | | |
| 7.0 | | | | | | |
| 8.0 | | | | | | |
| 9.0 | | | | | | |
| 10.0 | | | | | | |
| 11.0 | | | | | | |
| 12.0 | | | | | | |
| 13.0 | | | | | | |
| 14.0 | | | | | | |
| 15.0 | | | | | | |
| 16.0 | | | | | | |
| 17.0 | | | | | | |
| 18.0 | | | | | | |

DELTA ENVIRONMENTAL CONSULTANTS, INC.

TEST PIT LOG

TEST PIT NO.: TP-53

| | | | | | | |
|---------------------------------|--|--|--|--------------|--------------------------------------------------------------------------------------------------------------------|------------------------|
| PROJECT: Crouse-Hinds | | | | | Sheet 1 of 1 | |
| CLIENT: Cooper Industries, Inc. | | | | | | |
| DELTA PROJECT NO: 0310025P | | | | | | |
| EXCAVATION METHOD: Backhoe | | | | | | |
| | | | | | DATE: 10-27-05 | |
| CONTRACTOR: PEC | | | | | INSPECTOR: Jennifer L. Hull | |
| DEPTH
IN FT. | | | | PID
(ppm) | SOIL DESCRIPTION | REMARKS |
| | | | | 0.0 | Dark brown, Topsoil, moist | 0.8' |
| 1.0 | | | | | | TP-53 sampled
1'-6' |
| | | | | 0.8 | Black, fine, Foundry Sand with fill (glass, plastic, paper and wood debris), moist, slight degraded petroleum odor | |
| 2.0 | | | | | Wet at 2.0' | |
| | | | | 0.0 | | |
| 3.0 | | | | | | |
| | | | | | | |
| 4.0 | | | | | | |
| | | | | | | |
| 5.0 | | | | | | |
| | | | | | | |
| 6.0 | | | | | | |
| | | | | 0.0 | Black, Peat, damp | |
| 7.0 | | | | | | |
| | | | | | Excavation terminated at 6.5' | |
| 8.0 | | | | | | |
| | | | | | | |
| 9.0 | | | | | | |
| | | | | | | |
| 10.0 | | | | | | |
| | | | | | | |
| 11.0 | | | | | | |
| | | | | | | |
| 12.0 | | | | | | |
| | | | | | | |
| 13.0 | | | | | | |
| | | | | | | |
| 14.0 | | | | | | |
| | | | | | | |
| 15.0 | | | | | | |
| | | | | | | |
| 16.0 | | | | | | |
| | | | | | | |
| 17.0 | | | | | | |
| | | | | | | |
| 18.0 | | | | | | |

DELTA ENVIRONMENTAL CONSULTANTS, INC.

TEST PIT LOG

TEST PIT NO.: TP-54

| | | | | | |
|---------------------------------|--|--|--|--------------|-----------------------------------------------------------------------------------------------------------------|
| PROJECT: Crouse-Hinds | | | | | Sheet 1 of 1 |
| CLIENT: Cooper Industries, Inc. | | | | | |
| DELTA PROJECT NO: 0310025P | | | | | |
| EXCAVATION METHOD: Backhoe | | | | | |
| | | | | | DATE: 10-27-05 |
| CONTRACTOR: PEC | | | | | INSPECTOR: Jennifer L. Hull |
| DEPTH
IN FT. | | | | PID
(ppm) | |
| | | | | | SOIL DESCRIPTION |
| | | | | | REMARKS |
| | | | | 0.0 | Dark brown, Topsoil, moist |
| 1.0 | | | | | 1.0' |
| | | | | 2.8 | Black, fine, Foundry Sand with some fill (glass, paper, plastic, rubber), moist, slight degraded petroleum odor |
| 2.0 | | | | | |
| | | | | | |
| 3.0 | | | | | |
| | | | | 1.8 | Wet, petroleum sheen on water seeping into hole |
| 4.0 | | | | | |
| | | | | | |
| 5.0 | | | | | |
| | | | | | |
| 6.0 | | | | | |
| | | | | | |
| 7.0 | | | | | |
| | | | | | |
| 8.0 | | | | | |
| | | | | 0.0 | Saturated at 8.0' |
| 9.0 | | | | | |
| | | | | | |
| 10.0 | | | | | |
| | | | | | |
| 11.0 | | | | | |
| | | | | | |
| 12.0 | | | | | 12.0' |
| | | | | 0.0 | Brown, Peat, damp |
| | | | | | 12.5' |
| 13.0 | | | | | Excavation terminated at 12.5' |
| | | | | | |
| 14.0 | | | | | |
| | | | | | |
| 15.0 | | | | | |
| | | | | | |
| 16.0 | | | | | |
| | | | | | |
| 17.0 | | | | | |
| | | | | | |
| 18.0 | | | | | |

DELTA ENVIRONMENTAL CONSULTANTS, INC.

TEST PIT LOG

TEST PIT NO.: TP-55

| | | | | | | |
|---------------------------------|--|--|--|--------------|--------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------|
| PROJECT: Crouse-Hinds | | | | | Sheet 1 of 1 | |
| CLIENT: Cooper Industries, Inc. | | | | | | |
| DELTA PROJECT NO: 0310025P | | | | | | |
| EXCAVATION METHOD: Backhoe | | | | | | |
| | | | | | DATE: 10-27-05 | |
| CONTRACTOR: PEC | | | | | INSPECTOR: Jennifer L. Hull | |
| DEPTH
IN FT. | | | | PID
(ppm) | SOIL DESCRIPTION | REMARKS |
| | | | | 0.0 | Brown, Topsoil, moist | 0.5' |
| 1.0 | | | | 0.0 | Fill (glass, wood, paper, plastic and metal debris) with some black, fine, foundry sand and gray clay, wet, slight degraded petroleum odor | |
| 2.0 | | | | | | |
| 3.0 | | | | | | |
| 4.0 | | | | | | |
| | | | | | | |
| | | | | 1.7 | Black, fine, Foundry Sand, wet, slight degraded petroleum odor | 4.0' |
| 5.0 | | | | | | Fill extended into wetland; Fill was 4' thick in wetland and thickened north into landfill |
| 6.0 | | | | | | |
| 7.0 | | | | | | |
| 8.0 | | | | | | |
| 9.0 | | | | | | |
| 10.0 | | | | | | |
| 11.0 | | | | | | |
| 12.0 | | | | | | |
| 13.0 | | | | | | |
| 14.0 | | | | | | |
| | | | | 0.0 | Brown, Peat, damp | 14.0' |
| 15.0 | | | | | Excavation terminated at 14.5' | 14.5' |
| 16.0 | | | | | | |
| 17.0 | | | | | | |
| 18.0 | | | | | | |

TP-55 sampled 2'-13.5'

DELTA ENVIRONMENTAL CONSULTANTS, INC.

TEST PIT LOG

TEST PIT NO.: TP-56

| | | | | | |
|---------------------------------|--|--|--|--------------|--------------------------------------------------------------------------------------------------------|
| PROJECT: Crouse-Hinds | | | | | Sheet 1 of 1 |
| CLIENT: Cooper Industries, Inc. | | | | | |
| DELTA PROJECT NO: 0310025P | | | | | |
| EXCAVATION METHOD: Backhoe | | | | | |
| | | | | | DATE: 10-27-05 |
| CONTRACTOR: PEC | | | | | INSPECTOR: Jennifer L. Hull |
| DEPTH
IN FT. | | | | PID
(ppm) | |
| | | | | | SOIL DESCRIPTION |
| | | | | 0.0 | Brown, Topsoil, moist 0.5' |
| 1.0 | | | | 3.8 | Black, fine, Foundry Sand with some fill (metal, glass and plastic debris), wet, slight petroleum odor |
| 2.0 | | | | | |
| 3.0 | | | | | |
| 4.0 | | | | | |
| 5.0 | | | | | |
| 6.0 | | | | | |
| | | | | 0.0 | |
| 7.0 | | | | | |
| 8.0 | | | | | |
| 9.0 | | | | | |
| 10.0 | | | | | |
| 11.0 | | | | | |
| 12.0 | | | | | 12.0' |
| | | | | 0.0 | Brown, Peat, damp 12.5' |
| 13.0 | | | | | Excavation terminated at 12.5' |
| 14.0 | | | | | |
| 15.0 | | | | | |
| 16.0 | | | | | |
| 17.0 | | | | | |
| 18.0 | | | | | |

Fill extended into wetland;
Fill was 3' thick in wetland and thickened north into landfill

DELTA ENVIRONMENTAL CONSULTANTS, INC.

TEST PIT LOG

TEST PIT NO.: TP-57

| | | | | | | |
|---------------------------------|--|--|--|--------------|--------------------------------------------------------------------------------------------------------|---------------|
| PROJECT: Crouse-Hinds | | | | | Sheet 1 of 1 | |
| CLIENT: Cooper Industries, Inc. | | | | | | |
| DELTA PROJECT NO: 0310025P | | | | | | |
| EXCAVATION METHOD: Backhoe | | | | | | |
| | | | | | DATE: 10-27-05 | |
| CONTRACTOR: PEC | | | | | INSPECTOR: Jennifer L. Hull | |
| DEPTH
IN FT. | | | | PID
(ppm) | REMARKS | |
| | | | | 0.0 | Black, Topsoil, moist 0.5' | |
| 1.0 | | | | 1.7 | Black, fine, Foundry Sand with trace fill (wood and glass debris), wet, slight degraded petroleum odor | |
| 2.0 | | | | | | |
| 3.0 | | | | | | |
| 4.0 | | | | | | |
| 5.0 | | | | | | |
| | | | | 1.7 | | Same as above |
| 6.0 | | | | | | |
| 7.0 | | | | | | |
| 8.0 | | | | | | |
| 9.0 | | | | | | |
| 10.0 | | | | | 10.0' | |
| | | | | 0.0 | Brown, Peat, damp 10.5' | |
| 11.0 | | | | | Excavation terminated at 10.5' | |
| 12.0 | | | | | | |
| 13.0 | | | | | | |
| 14.0 | | | | | | |
| 15.0 | | | | | | |
| 16.0 | | | | | | |
| 17.0 | | | | | | |
| 18.0 | | | | | | |

DELTA ENVIRONMENTAL CONSULTANTS, INC.

TEST PIT LOG

TEST PIT NO.: TP-58

| | | | | | | |
|---------------------------------|--|--|--|--------------|--------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------|
| PROJECT: Crouse-Hinds | | | | | Sheet 1 of 1 | |
| CLIENT: Cooper Industries, Inc. | | | | | | |
| DELTA PROJECT NO: 0310025P | | | | | | |
| EXCAVATION METHOD: Backhoe | | | | | | |
| | | | | | DATE: 10-27-05 | |
| CONTRACTOR: PEC | | | | | INSPECTOR: Jennifer L. Hull | |
| DEPTH
IN FT. | | | | PID
(ppm) | SOIL DESCRIPTION | REMARKS |
| | | | | 0.0 | Black, Topsoil, moist | 0.5' |
| 1.0 | | | | 1.0 | Black, fine, Foundry Sand with some red-brown, fine, sand fill,
wet, slight degraded petroleum odor | TP-58 sampled
1'-12'

Fill extended to
edge of
drainage ditch |
| 2.0 | | | | | | |
| 3.0 | | | | | | |
| 4.0 | | | | | | |
| 5.0 | | | | | | |
| 6.0 | | | | 1.2 | Same as above | |
| 7.0 | | | | | | |
| 8.0 | | | | | | |
| 9.0 | | | | | | |
| 10.0 | | | | | | |
| 11.0 | | | | | | |
| 12.0 | | | | | | |
| | | | | 0.0 | Brown, Peat, damp | 12.0' |
| 13.0 | | | | | Excavation terminated at 12.5' | 12.5' |
| 14.0 | | | | | | |
| 15.0 | | | | | | |
| 16.0 | | | | | | |
| 17.0 | | | | | | |
| 18.0 | | | | | | |

DELTA ENVIRONMENTAL CONSULTANTS, INC.

TEST PIT LOG

TEST PIT NO.: TP-OW-1

| | | | | | |
|---------------------------------|--|--|--|--------------|-----------------------------------------------------------------|
| PROJECT: Crouse-Hinds | | | | | Sheet 1 of 1 |
| CLIENT: Cooper Industries, Inc. | | | | | |
| DELTA PROJECT NO: 0310025P | | | | | |
| EXCAVATION METHOD: Backhoe | | | | | |
| | | | | | DATE: 10-24-05 |
| CONTRACTOR: PEC | | | | | INSPECTOR: Jennifer L. Hull |
| DEPTH
IN FT. | | | | PID
(ppm) | |
| | | | | | SOIL DESCRIPTION |
| | | | | | REMARKS |
| | | | | 0.0 | Dark brown, Topsoil, moist 0.5' |
| 1.0 | | | | 0.0 | Black, fine, Foundry Sand, damp, slight degraded petroleum odor |
| 2.0 | | | | | |
| 3.0 | | | | | |
| 4.0 | | | | | |
| 5.0 | | | | | |
| 6.0 | | | | | |
| | | | | 0.0 | Saturated at 6.0' |
| 7.0 | | | | | |
| 8.0 | | | | | 8.0' |
| | | | | | Excavation terminated at 8.0' |
| 9.0 | | | | | |
| 10.0 | | | | | |
| 11.0 | | | | | |
| 12.0 | | | | | |
| 13.0 | | | | | |
| 14.0 | | | | | |
| 15.0 | | | | | |
| 16.0 | | | | | |
| 17.0 | | | | | |
| 18.0 | | | | | |

DELTA ENVIRONMENTAL CONSULTANTS, INC.

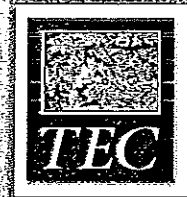
TEST PIT LOG

TEST PIT NO.: TP-OW-2

| | | | | | | |
|---------------------------------|--|--|-----------------------------|--------------|---------------------------------|---------------------------------------------------------------------------------------------------------------------------------|
| PROJECT: Crouse-Hinds | | | | | Sheet 1 of 1 | |
| CLIENT: Cooper Industries, Inc. | | | | | | |
| DELTA PROJECT NO: 0310025P | | | | | | |
| EXCAVATION METHOD: Backhoe | | | | | | |
| | | | | | DATE: 10-24-05 | |
| CONTRACTOR: PEC | | | INSPECTOR: Jennifer L. Hull | | | |
| DEPTH
IN FT. | | | | PID
(ppm) | | |
| | | | | | SOIL DESCRIPTION | |
| | | | | | REMARKS | |
| | | | | 0.0 | Dark brown, Topsoil, moist 0.5' | |
| 1.0 | | | | 9.7 | TP-OW-2
sampled 1'-8' | |
| | | | | | | Black, fine, Foundry Sand with some fill (hardened paint, metal, rubber, brick and wood debris), moist, degraded petroleum odor |
| 2.0 | | | | | | |
| | | | | | | |
| 3.0 | | | | | | |
| | | | | | | |
| 4.0 | | | | | | |
| | | | | | | |
| 5.0 | | | | | | |
| | | | | | | |
| 6.0 | | | | | | |
| | | | | 8.9 | | Saturated at 6.0' |
| 7.0 | | | | | | |
| | | | | | | |
| 8.0 | | | | | | 8.0' |
| | | | | | | Excavation terminated at 8.0' |
| 9.0 | | | | | | |
| | | | | | | |
| 10.0 | | | | | | |
| | | | | | | |
| 11.0 | | | | | | |
| | | | | | | |
| 12.0 | | | | | | |
| | | | | | | |
| 13.0 | | | | | | |
| | | | | | | |
| 14.0 | | | | | | |
| | | | | | | |
| 15.0 | | | | | | |
| | | | | | | |
| 16.0 | | | | | | |
| | | | | | | |
| 17.0 | | | | | | |
| | | | | | | |
| 18.0 | | | | | | |

ATTACHMENT 4

FISH AND WILDLIFE IMPACT ASSESSMENT



Cooper Crouse-Hinds Landfill

Vegetation and Wildlife Study

August 2004

Prepared For:

InteGreyted International, LLC
Syracuse Operations
104 Jamesville Road
Syracuse, New York 13214

Prepared By:

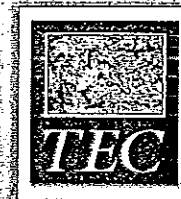
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- Appendix B - Natural Resources Maps
- Appendix C - Vegetation and Wildlife Species Lists



Introduction

The Environmental Collaborative (TEC) was contracted by InteGreyted International, LLC, on behalf of Cooper Crouse-Hinds, to undertake a study to evaluate the existing ecological conditions of two inactive landfills owned by Cooper Crouse-Hinds. This study provides information specified in the following sections of Step 1 (Site Description) of the New York State Department of Environmental Conservation (NYS-DEC) *Fish and Wildlife Impact Analy-*

sis for Inactive Hazardous Waste Sites (FWIA).

The sections of Step 1 are as follows:

- Section A - Site Maps
- Section B - Description of Fish and Wildlife Resources
- Section C - Description of Fish and Wildlife Resource Value

- Section D - Identification of Applicable Fish and Wildlife Regulatory Criteria

Contamination can affect on-site and off-site resources. This happens mostly through surficial and groundwater flow. This study concentrates on surface impact due to potential leakage of contaminants from the source. This would be evidenced by stressed vegetation over and around the area of contamination, visual evidence of contaminants (i.e., discoloration of soil and water), disfigured wildlife species, and/or lack of certain species that should be present, particularly in water bodies.

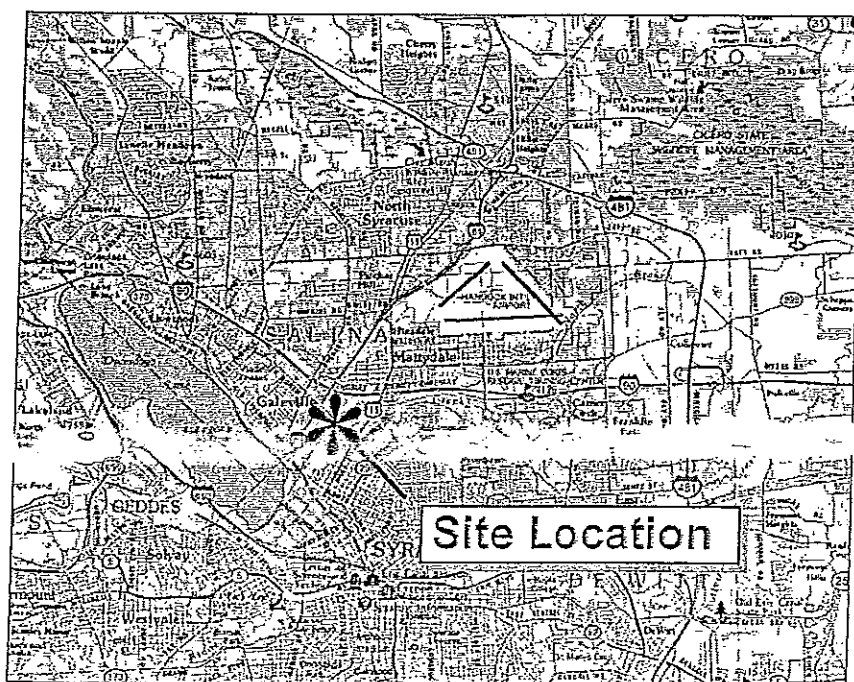


Figure 1. Location of the site in the Town of Salina and the City of Syracuse, Onondaga County, NY.

Site Description

The subject site is located northwest of the operating Crouse-Hinds Company manufacturing facility, which is located at the intersection of Wolf and Seventh North Streets (Latitude 043° 21' 22" N, Longitude 76° 10' 10" W).

W), in the Town of Salina and the City of Syracuse, Onondaga County, New York (Figure 1). The subject site (hereinafter the "site") consists of two adjacent inactive landfills (referred to as the North Landfill and South Landfill - Figure 2). According to available information, the North Landfill is approximately 21 acres in area and the

South Landfill is approximately 15 acres in area. Site and surrounding topography is generally flat to gently sloping. Figures 1 and 2 are site location maps and Figures 3 and 4 on page 3 show the site plans of the North Landfill and South Landfills, respectively.

The North Landfill is located in the Town of Salina and the South Landfill is located in the City of Syracuse. The site is located in an area of mixed usage including light industrial/manufacturing, commercial, and residential. Seventh North Street is oriented east-west and separates the two landfills that comprise the site. Undeveloped woods and wetlands border the site to the north. Railroad tracks followed by the Crouse-Hinds facility, Wolf Street, and residential development border the site to the east. Undeveloped woods, wetlands, and mixed commercial development border the site to the south. Wetlands followed by Ley Creek, mixed commercial development, the Ley Creek waste transfer station, and I-81 are present to the west of the site. The northwest boundary of the North Landfill is separated from Ley Creek by property reportedly owned by Plaza East, LLC. The northwest boundary of the South Landfill is adjacent to Ley Creek.

Background

While in operation, the North Landfill facility reportedly accepted an unknown quantity of solid industrial waste (i.e., foundry sand) from the Crouse-Hinds facility from mid-1950 through 1972. From 1972 through the early 1980s, this landfill was used for disposing approximately 85 cubic yards per day of non-putrescible solid wastes including foundry sand, floor sweepings, metal buffing and polishing residue, scrap lumber, plastic wastes, and paint scrapings that were generated at the Crouse-Hinds facility. Zinc hydroxide sludge was also re-

portedly deposited in this landfill between 1972 and 1980. Between 1980 and 1983, approximately 40 cubic yards per day of industrial waste, including foundry sand and core butts were disposed of in the landfill from the Crouse-Hinds facility. In April of 1981, Crouse-Hinds applied for a Part 360 permit to operate a non-hazardous landfill. On 10 March 1982, Crouse-Hinds withdrew the application. The North Landfill has been inactive since the mid-1980s.

The South Landfill reportedly accepted a combination of municipal solid waste from the City of Syracuse and industrial waste from the Crouse-Hinds facility consisting of foundry mold and core sand, scrap steel drums and shot, fly ash, paint scrapings, garbage, and construction/demolition debris. Mate-

rial placement in this landfill reportedly occurred between 1960 and 1969. Approximately 2,000 cubic yards per week of municipal solid waste from the City of Syracuse was reportedly accepted at the landfill between 1961 and 1964. The landfill has been inactive since 1969.

As part of the PSA, a number of studies were conducted, one of which was to evaluate the existing ecological conditions of the site. As put forth in the FWIA, this particular investigation was intended to: (1) identify the fish and wildlife resources that presently exist and that existed before contaminant introduction, and (2) provide information necessary for the design of a remedial investigation. As part of the above effort, vegetation cover types and plant species were also identified.



Figure 2. North Landfill and South Landfill shown on the NYSDOT 7.5-minute topographic map (Syracuse West quadrangle).

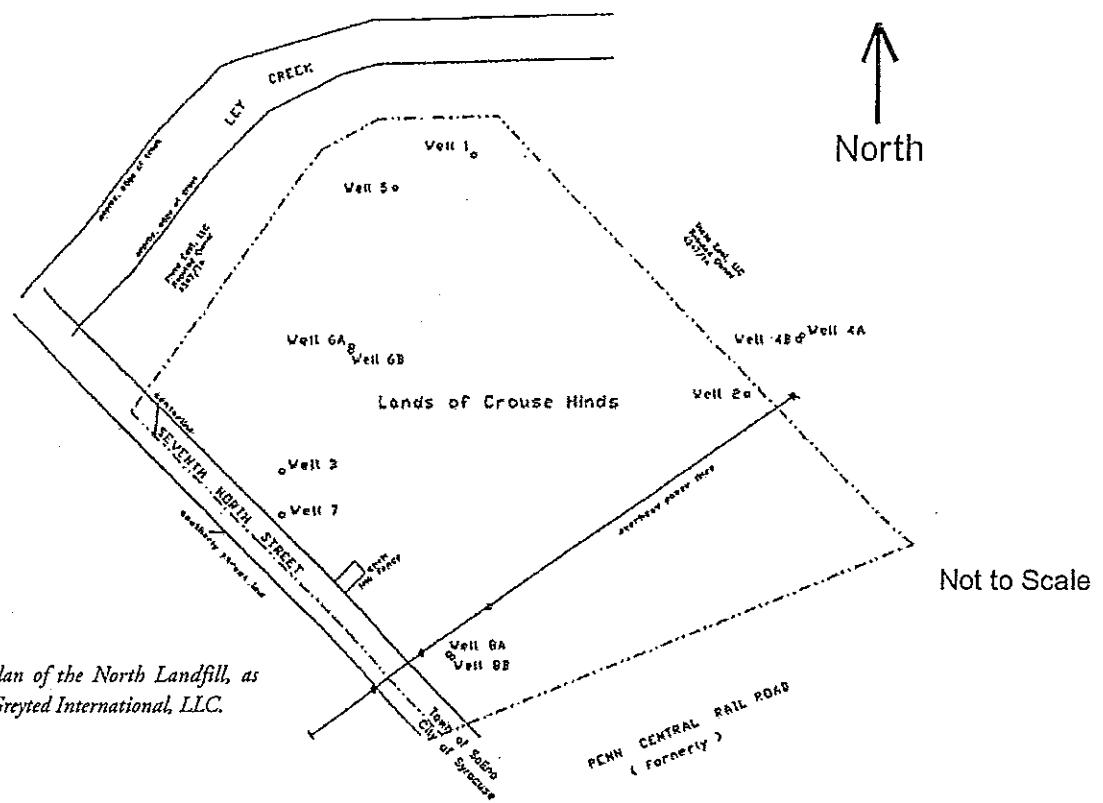


Figure 3. Site plan of the North Landfill, as prepared by InteGreyted International, LLC.

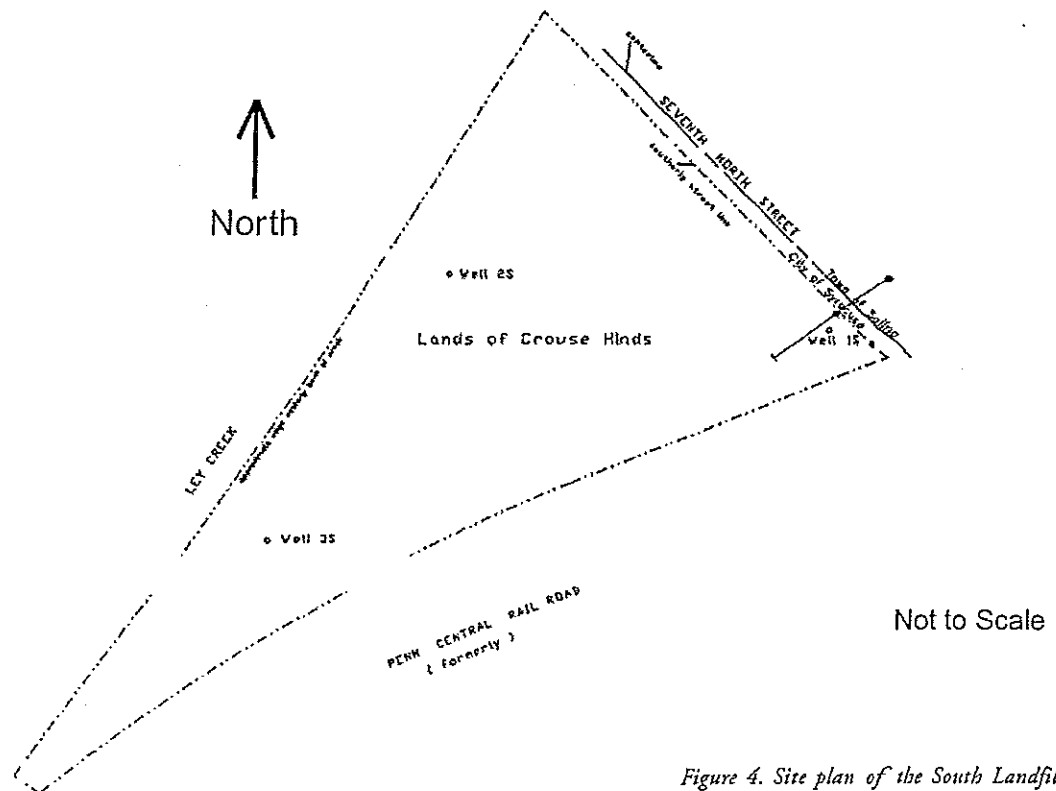


Figure 4. Site plan of the South Landfill, as prepared by InteGreyted International, LLC.



Section A

To assess the impact of contamination on vegetation and wildlife resources, it was important to conduct a vegetation and wildlife field survey and then to develop maps showing the locations of any known rare species and/or unique natural features or community types, as well as water features, on or adjacent to the site, and to compile a comprehensive plant and wildlife species inventory for the site.

Site Maps

The vegetation and wildlife inventory was conducted on 21 June 2004. However, prior to conducting this survey, published data sources were reviewed and then used for preparing the natural resources maps. These sources of information included the New York Natural Heritage Program Significant Habitat and Element Occurrence Records (Appendix A), U.S. Fish and Wildlife Service rare species data (Appendix A), New York State Bird Atlas data (Appendix A), New York State Herpetology Atlas data (Appendix A), U.S. Fish and Wildlife Service data (Appendix A), 6NYCRR freshwater wetland and stream classification maps, NYSDEC fisheries data; Environmental Data Resources, Inc. (EDR) Historical Topographic Map Report, EDR Aerial Photo Decade

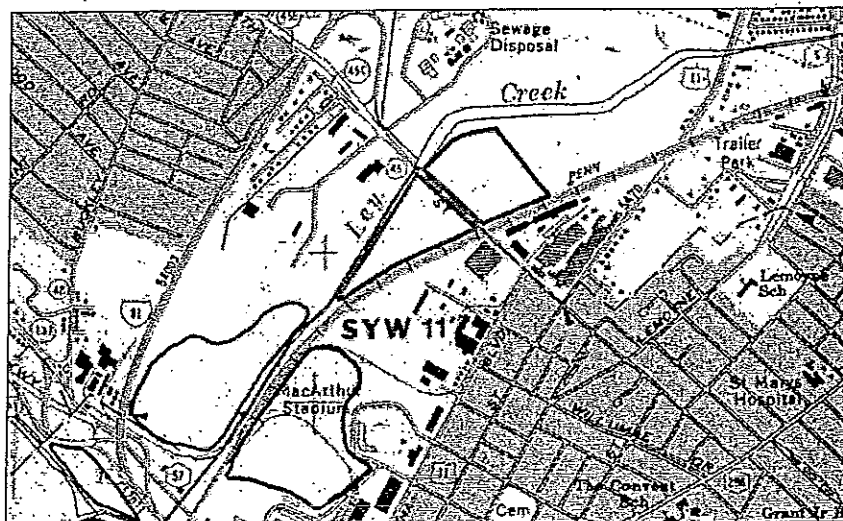


Figure 5. North Landfill and South Landfill shown on the NYSDEC Freshwater Wetland map.

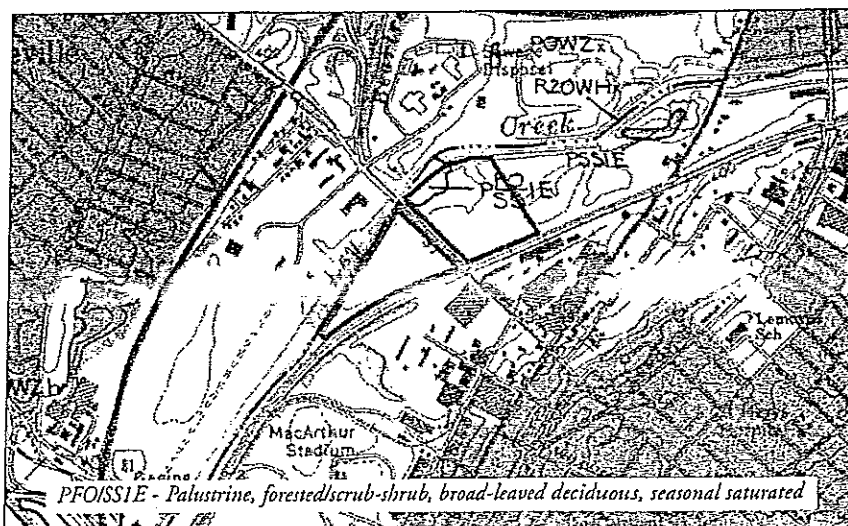


Figure 6. North Landfill and South Landfill shown on the NWT map.

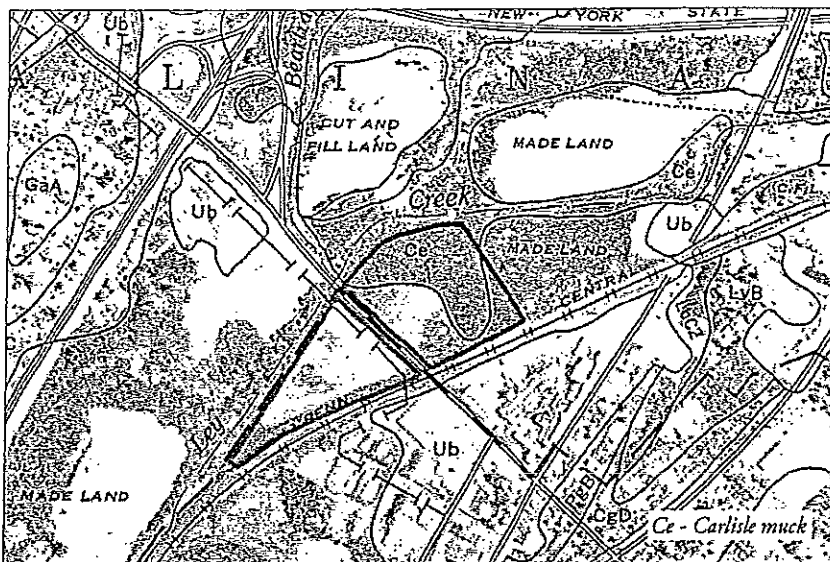


Figure 7. North Landfill and South Landfill shown on the Onondaga County soils map.

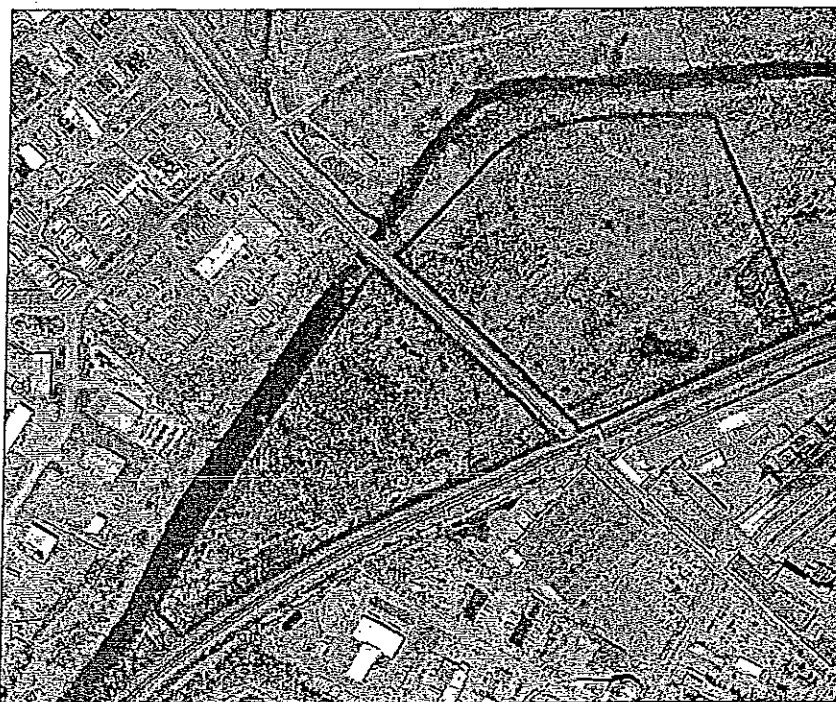


Figure 8. North Landfill and South Landfill shown on a 2003 aerial photograph.

Package, EDR NEPA Check, NYS-DEC Freshwater Wetland maps (Figure 5), National Wetland Inventory maps (Figure 6), Onondaga County Soil Survey (Figure 7), and NYS GIS Clearing House aerial photograph (Figure 8). A vegetation cover map for the site was prepared with the use of these sources of information, as well as data collected from conducting a detailed

on-site field survey of the vegetation (Figure 9 - Appendix B). The various vegetation communities were identified based on species composition and structural diversity (i.e., foliage height, spatial distribution, percent cover, age class, species distribution, vegetation layering), and are described according to *Ecological Communities of New York State* (Reschke 2002).

Vegetation Communities

There are a number of vegetation community types on the site, including old field, shrub upland, deciduous forest, and wetland. The following is a general description of each of the vegetation community types, including a discussion on dominant species and general characteristics of each community. A map (Figure 10) showing the locations of the photographs of the site is included in Appendix B. A list of all plant species, including scientific and common names, identified on the site is presented in Tables 1 and 2 in Appendix C.

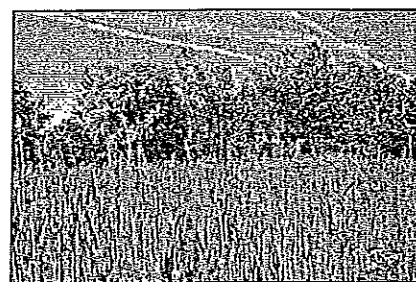


Figure 11. The old field in the northern portion of the North Landfill.

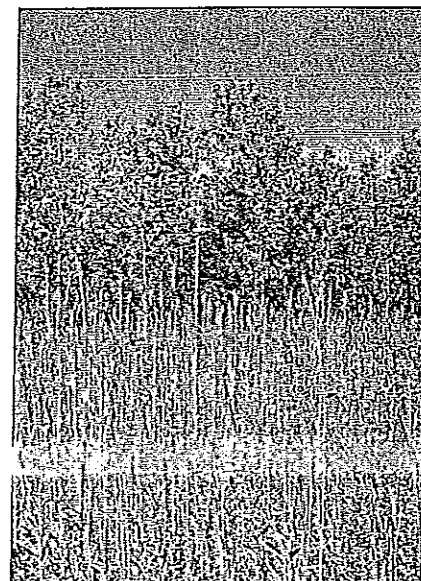


Figure 12. Another view of the old field in the northern portion of the North Landfill.

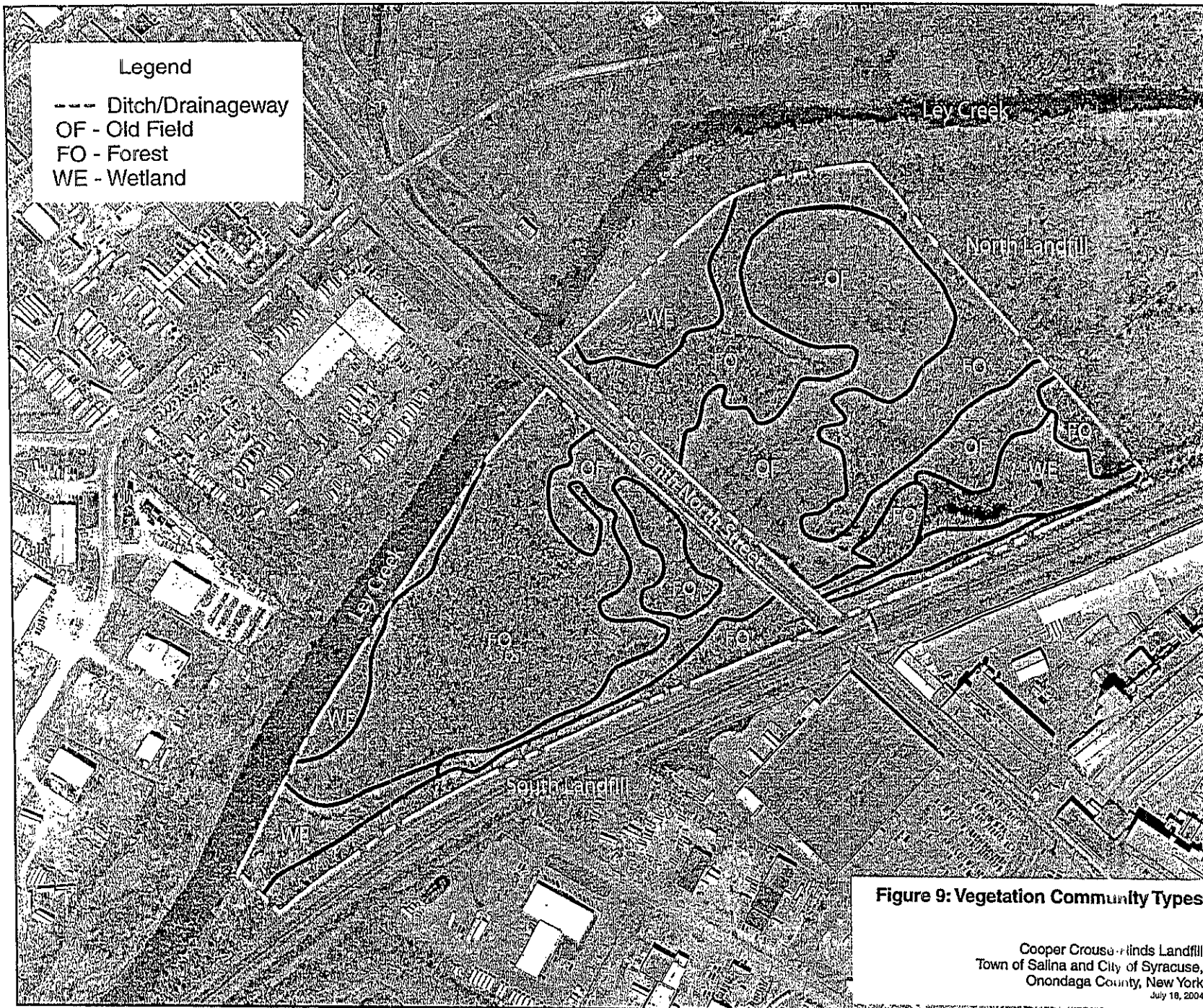


Figure 9: Vegetation Community Types

Cooper Crouse Landfills
Town of Salina and City of Syracuse,
Onondaga County, New York
July 18, 2004



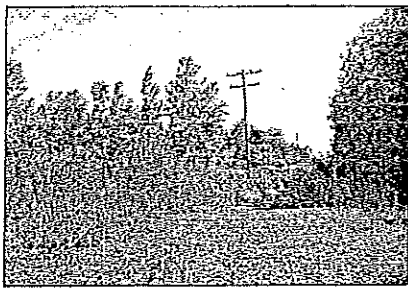


Figure 13. An area of the old field in the north-eastern portion of the North Landfill.

Old Field

There are several areas of old field on the site. This vegetation community type is classified by Reschke as successional old field. The overall character of the old field areas tends to be the same; that is, areas dominated by forbs (broad-leaved flowering plants) and grasses. There are many species that are found throughout the old fields within the study area although the species composition and distribution varies from area to area, often times based on past use or current soil conditions. The most common species found on the North Landfill include orchard grass (*Dactylis glomerata*), Canada goldenrod (*Solidago canadensis*), Canada bluegrass (*Poa compressa*), Kentucky bluegrass (*Poa pratensis*), bushy knapweed (*Centaurea maculosa*), spring forget-

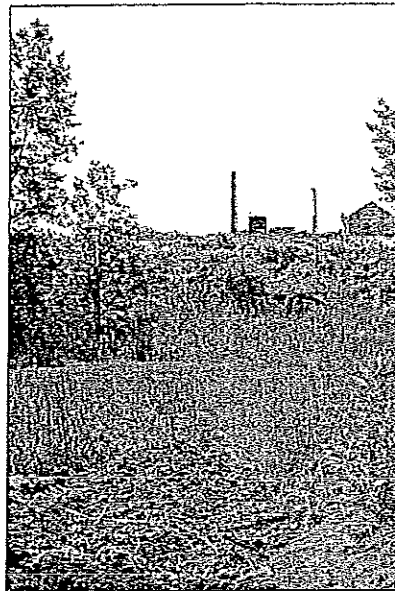


Figure 14. Another view of the old field in the northern portion of the North Landfill.

me-not (*Myosotis verna*), deptford pink (*Dianthus armeria*), white sweet-clover (*Melilotus alba*), timothy (*Phleum pratense*), ragweed (*Ambrosia artemisiifolia*), English plantain (*Plantago lanceolata*), rough bedstraw (*Galium asprellum*), common yarrow (*Achillea millefolium*), ox-eye daisy (*Leucanthemum vulgare*), and bird's-foot trefoil (*Lotus corniculata*).

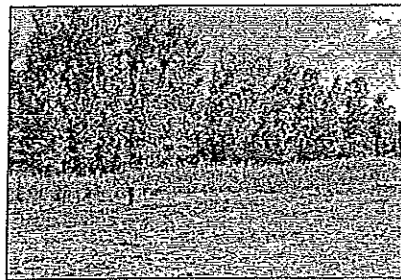
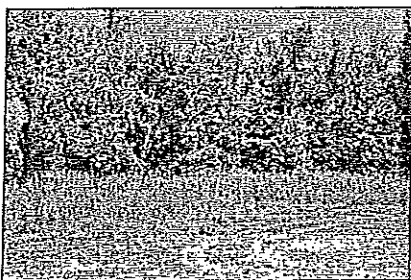
Although common reed (*Phragmites australis*) is not considered an old field

species, it has spread into some of the old field areas where it has formed dense stands. In addition, a number of shrub and sapling tree species are present within the old field areas, although they collectively have less than 50 percent cover within this community type. These species include staghorn sumac (*Rhus typhina*), buckthorn (*Rhamnus cathartica*), honeysuckle (*Lonicera tatarica*), and Eastern cottonwood (*Populus deltoides*).

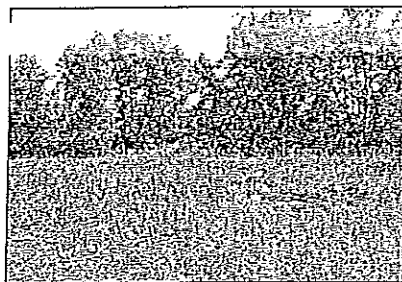
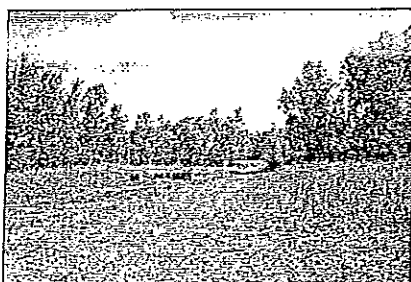
The most common species found on the South Landfill include Canada goldenrod, Kentucky bluegrass, Canada bluegrass, dame's-rocket (*Hesperis matronalis*), deptford pink, spring forget-me-not, common yarrow, ox-eye daisy, bird's-foot trefoil, common milkweed (*Asclepias syriaca*), and tall ironweed (*Vernonia altissima*). It should be noted that an access road occurs generally from north to south through the forested areas in the South Landfill, and old field vegetation has become established along this road. However, the road does not show up well on the enclosed aerial photograph and was therefore not shown on Figure 9. As with the old field areas in the North Landfill, common reed has spread into some of the old field areas in the South Landfill where it has formed dense stands.

Shrub Upland

Small areas of shrub upland occur within the study area and tend to grade into old field on the one side and deciduous forest on the other side, with the boundaries between the community types rather indistinguishable. In fact, shrub upland is not shown on the vegetation community type map be-



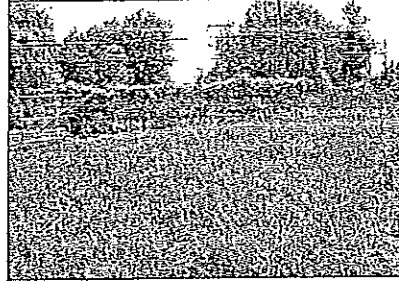
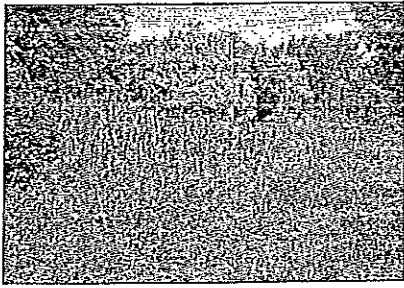
Figures 15 and 16. Old field vegetation in the southern portion of the North Landfill.



Figures 17 and 18. Another view of the old field in the southern portion of the North Landfill.



Figure 19. Old field in the northern portion of the South Landfill.



Figures 20 and 21. Views of the old field in the southern portion of the South Landfill. Note how common reed has spread into this old field area.

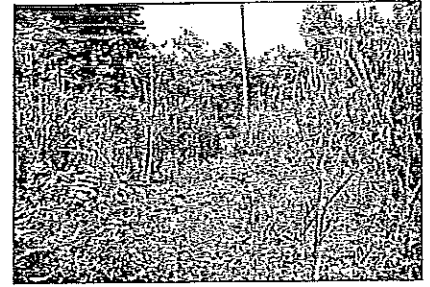


Figure 22. An area that contains old field vegetation along with common reed.

cause it was too difficult to determine the boundaries. This community type is classified by Reschke as successional shrubland. As with the old field community type, shrub uplands occur on sites that were once cleared for farming, logging, development, etc. and then abandoned. This particular vegetation community type has at least 50 percent shrub cover, although the density of shrubs varies between the dif-

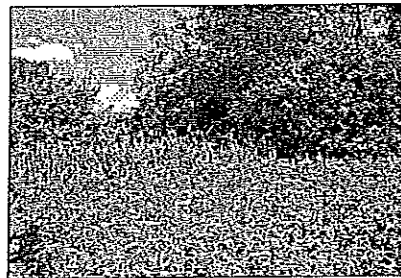
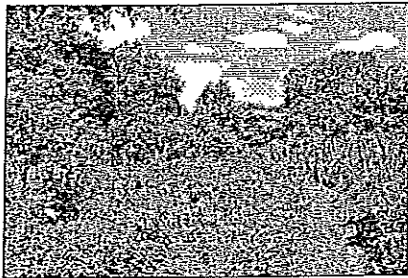
ferent areas. The most common species noted within the project study area include buckthorn and honeysuckle.

Deciduous Forest

The deciduous forest areas within the site do not fit any of the forest descriptions presented in Reschke. The forests on site are dominated by light-requiring, wind-dispersed species that are

well-adapted to establishment following disturbance, and they tend to range in age and structure from early successional to late successional (10 to 40 years old). A characteristic feature of successional forests is the lack of reproduction of the canopy species. Most of the tree seedlings and saplings in successional forests are species that are more shade-tolerant than the canopy species. Shrub layer and ground layer plants may include species characteristic of successional old fields and/or species that occurred on or near the site prior to disturbance. These forest areas tend to be rather dense in the understory and difficult to walk through.

The deciduous forest areas within the North and South Landfills are dominated by Eastern cottonwood, with black willow (*Salix nigra*) and box-elder (*Acer negundo*) being fairly common in



Figures 23 and 24. Old field vegetation occurs along the access road in the northern portion of the South Landfill. Note the deciduous forest to the north, south, and west of this area.

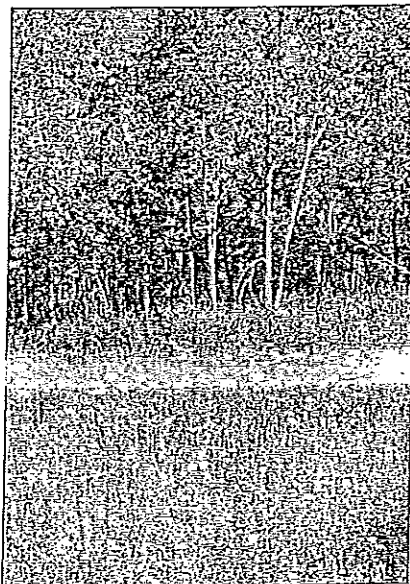


Figure 25. Successional northern hardwood forest in the northern portion of the North Landfill.

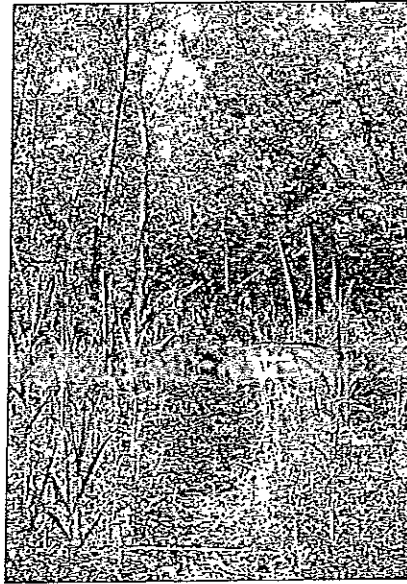


Figure 26. Successional northern hardwood forest in the western portion of the North Landfill.

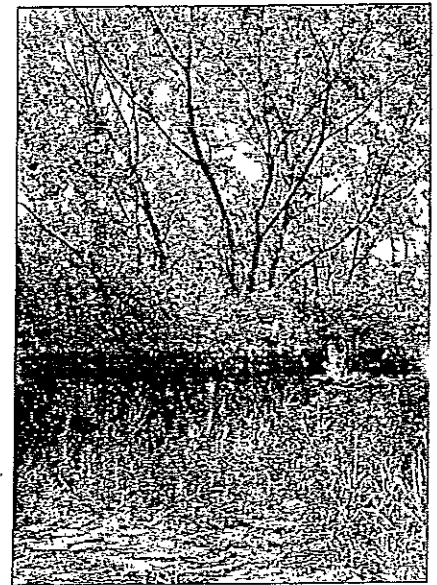


Figure 27. Dense shrubs under sparse trees in northwest corner of the South Landfill.



Figure 28. Successional northern hardwood forest in the central portion of the South Landfill.



Figures 29 and 30. Ley Creek borders the west side of the South Landfill. Dense hardwood forest and common reed border the creek.

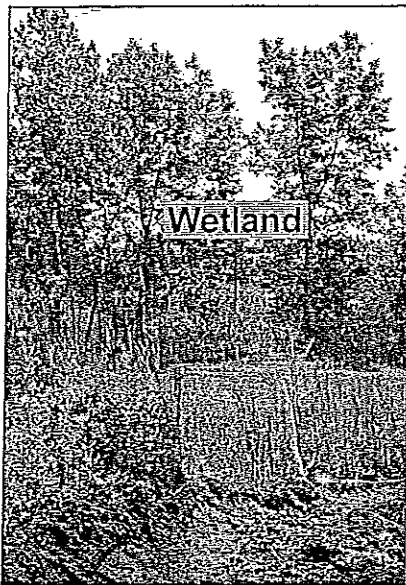
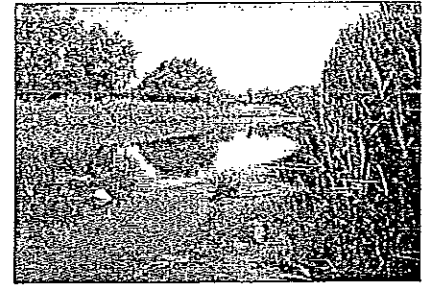


Figure 31. The emergent wetland along the eastern portion of the North Landfill.

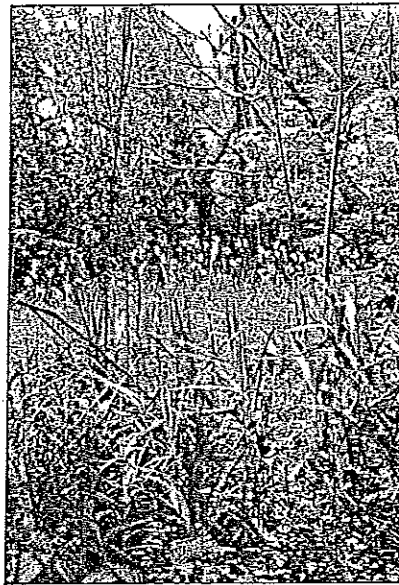


Figure 32. The emergent wetland in the southern portion of the South Landfill.

places. Buckthorn and honeysuckle are common understory shrubs throughout these forested areas, with garlic mustard (*Alliaria petiolata*) being a common herbaceous species. Some of the early successional forested areas consist mostly of Eastern cottonwood saplings with an understory of yellow sweet-clover (*Melilotus officinalis*), white sweet-clover, ox-eye daisy, deptford pink, Canada and Kentucky bluegrass, bushy knapweed, and common St. John's-wort (*Hypericum perforatum*).

Wetland

Two areas of wetland occur within the limits of the North Landfill and two areas of wetland occur within the limits of the South Landfill. These wetlands are similar to the shallow emergent wetland described by Reschke.

The dominant species in these areas is common reed, although narrow-leaved cattail (*Typha angustifolia*) occurs in patches in the two wetlands in the North Landfill. Areas of open water are also present within the wetland on the east side of the North Landfill.

Several drainage channels occur within the project study area and are shown on Figure 9 (Appendix B) while Figure 33 shows the drainage patterns within both sites. Some wetland vegetation occurs along the drainage channels, including black willow, silky dogwood, purple loosestrife, and common reed. However, all but the drainage way leading into the wetland on the west side of the North Landfill are unvegetated and appear to have been created by humans.

Rare Species

According to the U.S. Fish and Wildlife Service data, there are no rare plant species on or within a 1-mile radius of the site (refer to correspondence in Appendix A). Correspondence received from the New York Natural Heritage Program (NHP) Significant Habitat and Element Occurrence Records indicates that an unprotected vegetation community type (inland salt pond) and a threatened vascular plant (red pigweed - *Chenopodium rubrum*) occur within a 1-mile radius and/or 7.5 miles downstream of the site (refer to correspondence in Appendix A). However, the salt pond is highly degraded and no longer contains any salt marsh vegetation and the information on red pigweed is historical (1922 and 1940), with no recorded sightings of this plant since that time. Neither of these NHP elements occurs on or adjacent to the site.

Vegetation Summary

The historical topographic maps and aerial photographs provided by EDR indicate that wetland completely covered the area.

fills. However, the 1973 topographic map does not indicate that any wetland is present within either landfill site, although the aerial photographs and the field survey did reveal that some wetland occurs within both landfill sites, but not to the extent that was present prior to the use of the property for landfill purposes.

The vegetation community types identified on and adjacent to the site, as well as the particular species observed within them, are considered common throughout New York State. In addition,

there were no visual signs of stressed vegetation (e.g., yellowed or discolored leaves, shriveled leaves, stunted growth, basal sprouting or suckering) noted anywhere on the site.

Due to the relatively small size and past use of the site and the surrounding landscape, there is a noted lack of diversity in terms of vegetation community types and therefore plant species.

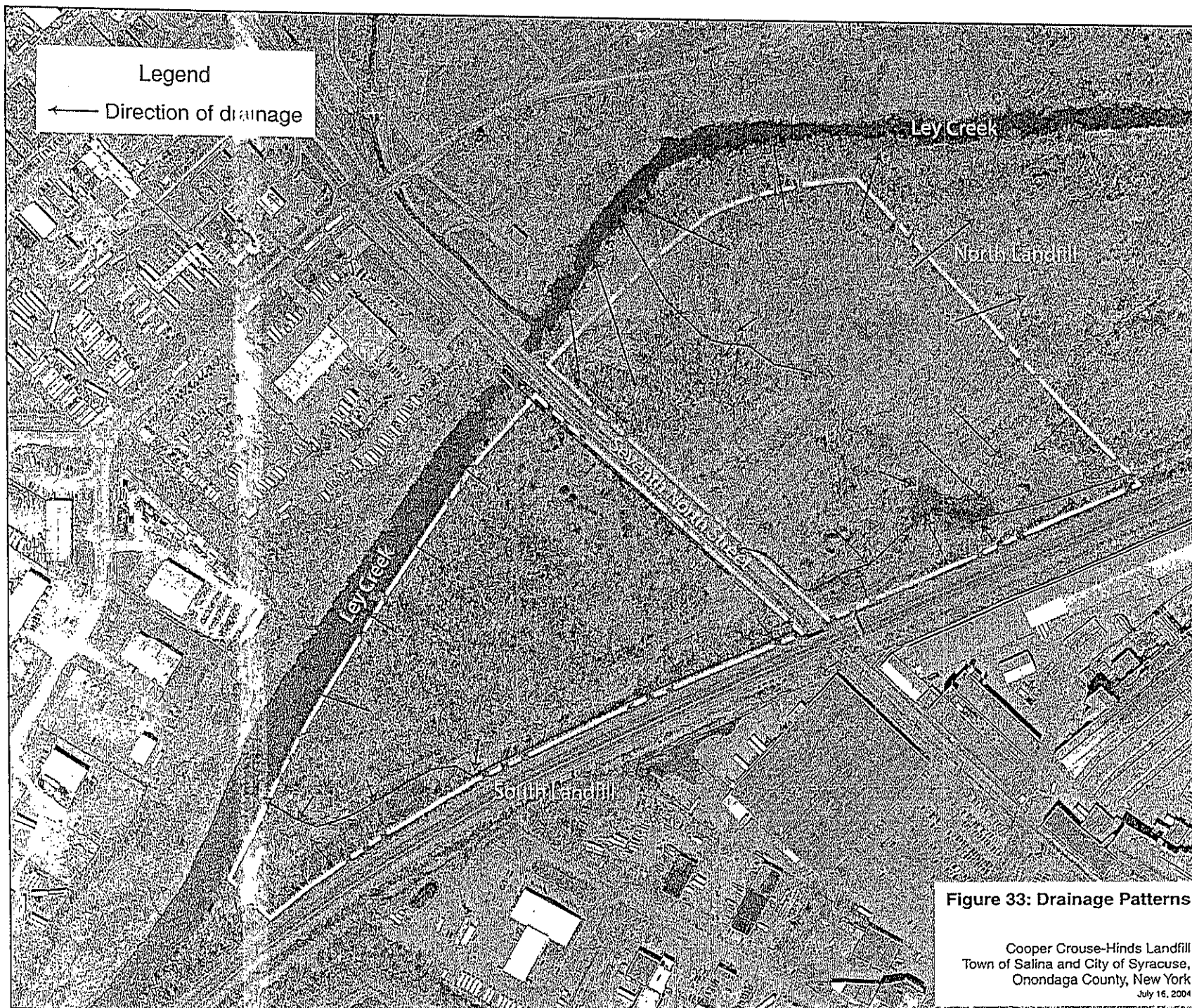
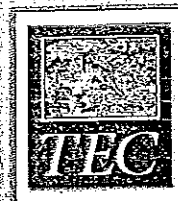


Figure 33: Drainage Patterns

Cooper Crouse-Hinds Landfill
Town of Salina and City of Syracuse,
Onondaga County, New York
July 16, 2004





Section B

Section B of the FWIA is a description of the fish and wildlife resources on the site. The purpose is to survey these resources to determine if there are any impacts due to contamination.

Description of Fish and Wildlife Resources

The wildlife species within and around the aquatic resources located on and adjacent to the site were identified. These resources included wetlands and streams (various ditches and Ley Creek). The physical features of these aquatic habitats were noted in terms of general qualitative characteristics (i.e., gradient, flow, substrate, etc.), along with vegetation and wildlife species present. More detailed habitat characteristics (i.e., water chemistry, temperature, dissolved oxygen, etc.)

Information concerning on-site wildlife species was collected by consulting published reports. Existing data concerning wildlife resources on the site were verified and supplemented by field evaluation of the wildlife communities and habitats on site. Field inventory techniques relied primarily on vi-

sual and auditory recording of species. Birds were documented by sight and song, and evidence of breeding was noted (territorial singing, carrying nest material, nests, and carrying food for young).

Mammals were identified through direct observation of species and/or their sign (dens, tracks, droppings, bones, etc.). Reptiles and amphibians were surveyed through systematic searches of wooded areas, wetlands, and ditches. In searching for snakes and salamanders, rocks, logs, and other debris were turned over and examined. Visual surveys were used to determine turtle and fish species present within the project limits.

Observations of stress on wildlife species was noted by looking for atypical biotic conditions such as reduced density, reproduction, wildlife mortality, changes in species assemblages and distribution, and/or the absence of expected biota. Evidence of contamination, such as animal carcasses, seeps, or exposed waste, were also noted and are described below.

Wildlife Habitat

Given the size limitations of the site and the highly developed surrounding landscape, the site does not support a

very rich wildlife species community. Much of the area contains common species that are typically associated with edge habitat, small woodlots, shrubby environments, monotypic wetlands, and a rather degraded stream (Ley Creek).

Fish

Although Ley Creek is not part of the project study area, it forms the western boundary of the South Landfill and therefore information regarding the classification and water quality standards, as well as fish population data, were obtained from the NYSDEC. The portion of Ley Creek adjacent to the North and South Landfills is classified as a Class C stream with C standards (S. Cook, NYSDEC, pers. comm.). There are no current records for fish populations in the NYSDEC database for this part of Ley Creek (D. Bishop, NYSDEC, pers. comm.), although historic (1971) records show that portions (S. Cook, NYSDEC, pers. comm.). In addition, the lower 2-mile stretch of the creek was once an excellent waterfowl marsh but has since been filled and the stream has been polluted. Fish species observed in 1971 in Ley Creek at Seventh North Street include White Sucker (*Catostomus commersoni*), Golden Shiner (*Notemigonus cryso-*

leucas), Yellow Perch (*Perca flavescens*), Common Carp (*Cyprinus carpio*), and Brook Stickleback (*Culaea [Eucalia] inconstans*).

Amphibians & Reptiles

Two species of amphibians were observed on the North Landfill (Table 3 - Appendix C) including Green Frog (*Rana clamitans melanota*) and Common Snapping Turtle (*Chelydra s. serpentina*). Green Frog was observed in the wetland on the eastern side of the landfill and Snapping Turtle was noted in the drainage ditch in the southwest portion of the landfill. No amphibians or reptile species were noted on the South Landfill (Table 4 - Appendix C).

Birds

Twenty three species of birds were observed on the North Landfill and 17 species were observed on the South Landfill (Tables 3 and 4, respectively). The vast majority of species are those that are often found along woodland edges and shrubby fields in upland areas, habitats that are common on the landfill and adjacent property, as well as throughout much of central New York. Among the species that were particularly common on the landfill sites were Gray Catbird (*Dumetella carolinensis*), American Robin (*Turdus migratorius*), Cedar Waxwing (*Bombycilla cedrorum*), Northern Cardinal (*Cardinalis cardinalis*), Black-capped Chickadee (*Poecile atricapillus*), House Wren (*Troglodytes aedon*), American Goldfinch (*Carduelis tristis*), and Warbling Vireo (*Vireo gilvus*).

Most of the bird species noted on the site are typical of those found in relatively small woodlots throughout New

capped Chickadee, Downy Woodpecker (*Picoides pubescens*), and Wood Thrush (*Hylocichla mustelina*) were observed in the forested areas while House Wren, Warbling Vireo, Baltimore Oriole (*Icterus galbula*), American Crow (*Corvus brachyrhynchos*), and Song Sparrow (*Melospiza melodia*) were observed along the forest edges.

Common Yellowthroat (*Geothlypis trichas*), Yellow Warbler (*Dendroica petechia*), and Red-winged Blackbird (*Agelaius phoeniceus*) were observed in the wet shrubby areas and emergent wetlands.

One upland game species, American Woodcock (*Philohela minor*), was observed in the drainageway that leads to the wetland on the west side of the North Landfill site.

Great Blue Heron (*Ardea herodias*) and Green Heron (*Butorides virescens*) were observed flying over the site and could possibly be feeding on Green Frogs within the open water areas of the wetlands and/or Ley Creek. Tree Swallows (*Tachycineta bicolor*) were also observed feeding on insects over Ley Creek, but could possibly feed on insects over the open water within the wetland on the east side of the North Landfill.

Mammals

Three species of mammals were observed on the North Landfill (Table 3) including Whitetail Deer (*Odocoileus virginianus*), Woodchuck (*Marmota monax*), and Meadow Vole (*Microtus pennsylvanicus*). Four species of mammals were observed on the South Landfill (Table 4), including Eastern Gray Squirrel (*Sciurus carolinensis*), Woodchuck, Whitetail Deer, and Raccoon (*Procyon lotor*). Whitetail Deer and Woodchuck were particularly common on both landfill sites and were observed in, or can be expected to occur in, virtually all portions of the property. Species such as Opossum (*Didelphis marsupialis*) and Striped Skunk (*Mephitis mephitis*) can also be expected to occur in any habitat on or adjacent to the property, although none were observed

radius of the site (refer to correspondence in Appendix A).

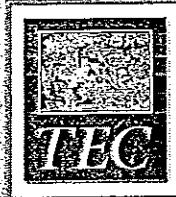
Wildlife Summary

As mentioned in the Vegetation Summary section of this report, historical topographic (dated 1947, 1958, 1973) and photographic (dated 1959, 1966, 1978, 1988, 1995) information indicate that most of both landfills contained wetland. In addition, historical fisheries information (dated 1971) indicates that high quality waterfowl habitat existed along this stretch of Ley Creek. This type of habitat would have harbored a particular community of wildlife species that are no longer present due to loss of habitat. However, the current habitat supports a viable population of different species of wildlife, albeit a small community due to the small number of vegetation community types on and adjacent to the site, the small size and past use of the subject property, and the surrounding developed landscape. Much of the area is dominated by more common species that are typically associated with edge habitat, small woodlots, and shrubby environments. In terms of overall health of the wildlife community, none of the wildlife species observed were disfigured or showed any visible signs of stress. Wildlife species dependent on aquatic resources are often highly susceptible to contamination. However, the apparent lack of reptiles, amphibians, and fish species is not necessarily an indication of contamination from either of the two landfills. As stated previously, a number of factors could contribute to the lack of diversity of species, including lack of good quality habitat and high quality adjacent habitat from which species

mostly of landfill material with little to no topsoil which most likely accounts for the lack of dense, lush vegetation throughout the site. The lack of good quality vegetation community types, as well as the limited size of the site, precludes the occupation of the property by a vast list of wildlife species.

Rare Species

According to the NHP Element Occurrence Records, the New York State Breeding Bird Atlas, and the U.S. Fish and Wildlife data, there are no rare wildlife species on or within a 1-mile



Section C

An evaluation was made of the existing habitat to associated fauna. This was accomplished by determining the degree to which the habitats within the site meet the requirements for food, cover, bedding areas, breeding, and roosting sites for various species of wildlife. Qualitative assessments of fish and wildlife population densities and diversities were determined. This information was then used to assess, in a qualitative manner, the general ability of the area to support fish and wildlife.

The current and potential use of fish and wildlife resources by humans was assessed in terms of hunting, fishing, wildlife observation, scientific research, and other recreational or economic activities. Included within this assessment were resources on the site as well as immediately adjacent to the site perimeter.

Description of Fish and Wildlife Resource Value

The following is a discussion of the value of the Cooper Crouse-Hinds Landfill site as it relates to providing habitat for associated fauna and a resource for human use.

Value of Habitat to Associated Fauna

The aquatic habitats on the Cooper Crouse-Hinds Landfill site consist of emergent wetlands, one of which contains areas of open water, and several drainage ditches. The fishery resources of the site are limited to Ley Creek, the open water within one of the wetlands, and the ditches that convey water from the wetlands to Ley Creek. However, no fish species were observed in any of the aquatic habitats on either of the landfills and the fisheries dated obtained from the NYSDEC shows that Ley Creek is a poor fishery due to pollution and degradation.

The Cooper Crouse-Hinds Landfill site and the surrounding area provides a small mosaic pattern of wildlife habitat types. These include old fields, shrub uplands, deciduous forests, and wetlands. As a result of this variety of habitat types, the majority of wildlife species that occur in the area are those

small, patchy blocks of one vegetation cover type. Given that the surrounding area is highly developed, the landfill sites act as a green island or refugium in an area that otherwise is relatively devoid of wildlife species. This area is not only used by resident species of wildlife but also by birds during the fall and spring migrations.

Value of Resources to Humans

The fishery resources of the site are very limited and have little value to humans. There are no fish species known to exist on the Cooper Crouse-Hinds Landfill site and the only open water occurs on the North Landfill surrounded by emergent wetland.

The only other known fishery resource adjacent to the landfill property is Ley Creek. This creek is currently polluted and does not appear to support a viable population of game fish that would be of interest to fishermen. Even if the creek supported a reproducing population of game fish, public access to much of the creek is limited due to the posting of private property. Therefore, this stretch of Ley Creek has somewhat limited value to humans.

Hunting is not allowed on the property, and even though the game species (Whitetail Deer, Woodcock, Gray

on the site readily move on and off the property, utilization of this resource is restricted due to the highly developed nature of the surrounding areas.

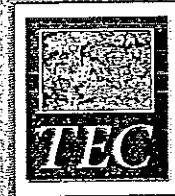
The primary value of the wildlife that are associated with the site would be as a resource for birdwatchers in other areas besides New York State. Although

the Cooper Crouse-Hinds Landfill site is closed to the public, the birds that breed on these sites are migratory, and during certain times of the year, can be observed in other parts of the United

States as well as certain other countries, depending on the species.

In terms of the site and surrounding land providing educational, scientific

research, and recreational opportunities, these activities are restricted only by the fact that the land is under private ownership and not accessible to the public.



Section D

Identification was made of the contaminant-specific and site-specific criteria applicable to the fish and wildlife resources for the Cooper Crouse-Hinds landfill site. Various government publications were used in determining these criteria, including the New York State Code of Rules and Regulations (6NYCRR) Parts 182, 608 701, 702, 703, and 800, and New York State Environmental Conservation Law (NYS ECL) Articles 11 and 15.

Identification of Applicable Fish and Wildlife Regulatory Criteria

A number of New York State Codes, Rules, and Regulations that have been promulgated under the NYS ECL (Chapter 13 of the Environmental Conservation Laws), as well as several Federal laws, are applicable to the Cooper Crouse-Hinds landfill site. These laws are

found in Article 11 (Fish and Wildlife), Sections 11-0503, 11-0515, and 11-0535, Article 15 (Water Resources), Title 5 (Protection of Waters), and Section 404 of the Clean Water Act. The following is a list of the contaminant-specific and site-specific regulatory criteria applicable to the site.

Contaminant-Specific Criteria

The following 6NYCRR protecting water quality are applicable to the Cooper Crouse-Hinds landfill site:

Part 701 - Classification - Surface Waters and Groundwater

Section 701.1 General conditions applying to all water classifications.

The discharge of sewerage, industrial waste or other wastes shall not cause impairment of the best usages of the receiving water as specified by the water classifications at the location of discharge and at other locations that may be affected by such discharge.

Part 702 - Derivation and use of Standards and Guidance Values

Section 702.1 Basis for derivation of water quality standards and guidance values.

(a) The control of taste-, color-, and odor-producing, toxic and other deleterious substances is implemented through the use of standards and guidance values.

(b) The derivation of standards and guidance values will consider, to the extent possible, variations in natural or background conditions of waters, including but not limited to alkalinity, temperature, hardness and pH.

Section 702.9 Standards and guidance values for protection of aquatic life.

(a) Standards and guidance values for the protection of the best usage of fishing shall also prevent tainting of aquatic food and shall be protective of the health of the aquatic life from the substances that may bioaccumulate and are referred to as aquatic values.



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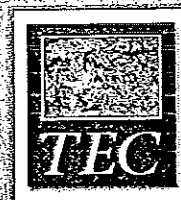
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Appendix

Appendix A:

Agency Information

Appendix B:

Natural Resources Maps

Appendix C:

Vegetation and Wildlife Species Lists

Appendix A:

Agency Information

New York State Department of Environmental Conservation
Division of Fish, Wildlife & Marine Resources
New York Natural Heritage Program
625 Broadway, 5th floor, Albany, New York 12233-4757
Phone: (518) 402-8935 • FAX: (518) 402-8925
Website: www.dec.state.ny



July 23, 2004

Barbara C Reuter
The Environmental Collaborative
309 Palmer Drive
Fayetteville, NY 13066

Dear Ms. Reuter:

In response to your recent request, we have reviewed the New York Natural Heritage Program database with respect to an Environmental Assessment for the Cooper Crouse-Hinds Landfills, area as indicated on the map you provided, located in the Town of Salina and City of Syracuse, Onondaga County.

Enclosed is a report of rare or state-listed animals and plants, significant natural communities, and other significant habitats, which our databases indicate occur, or may occur, on your site or in the immediate vicinity of your site. The information contained in this report is considered sensitive and may not be released to the public without permission from the New York Natural Heritage Program.

PLEASE NOTE: We report records within a 1-mile buffer and 7.5 miles downstream of landfill project sites.

The presence of rare species may result in this project requiring additional permits, permit conditions, or review. For further guidance, and for information regarding other permits that may be required under state law for regulated areas or activities (e.g., regulated wetlands), please contact the appropriate NYS DEC Regional Office, Division of Environmental Permits, at the enclosed address.

For most sites, comprehensive field surveys have not been conducted; the enclosed report only includes records from our databases. We cannot provide a definitive statement on the presence or absence of all rare or state-listed species or significant natural communities. This information should not be substituted for on-site surveys that may be required for environmental impact assessment.

Our databases are continually growing as records are added and updated. If this proposed project is still under development one year from now, we recommend that you contact us again so that we may update this response with the most current information

Sincerely,

Betty A Ketcham
Betty A Ketcham, Information Services
NY Natural Heritage Program

Enc.

cc: Reg. 7, Wildlife Mgr.
Reg. 7, Fisheries Mgr.
Reg. 7, Bureau of Habitat

Natural Heritage Report on Rare Species and Ecological Communities

Prepared 22 July 2004 by NY Natural Heritage Program, NYS DEC, Albany, New York



This report contains SENSITIVE information that should be treated in a sensitive manner -- Please see cover letter. Refer to the Users' Guide for explanations of codes, ranks, and fields.
 Do not always provide maps of locations of species most vulnerable to disturbance, nor of some records whose locations and/or extents are not precisely known or are too large to display.

Page 1

| County | Town | Scientific Name,
COMMON NAME, &
Group Name | NY Legal Status,
Heritage Ranks, &
Federal Status | EO Rank &
Last Seen | Detailed Location | General Habitat
and Quality | Office
Use |
|----------|------------------------------------------------------------|--------------------------------------------------|---------------------------------------------------------|------------------------|---------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------|---------------|
| ONONDAGA | | | | | | | |
| | SALINA | | | | | | |
| | INLAND SALT POND
Community | | UNPROTECTED
G2 S1 | D
1998-08-12 | ONONDAGA SALT MARSH
Danforth Pool between Route 57 and Onondaga Lake on the northeast side
of the lake. | A pool fed by salt springs.
Severely degraded; no salt marsh left. | 4307612
S |
| | <i>Chenopodium rubrum</i>
RED PIGWEED
Vascular Plant | | THREATENED
G5 S2 | F
1940-08-30 | SALINA
Salina, along shores of a lake in a park just south of Liverpool (1940). About
the salt sheds south of Liverpool (1922). | Shores.
Failed to find in degraded saltmarsh. | 4307612
M |

2 Records Processed

USERS GUIDE TO NY NATURAL HERITAGE DATA

New York Natural Heritage Program, 625 Broadway, Albany, NY, 12233-4757 (518) 402-8935

NATURAL HERITAGE PROGRAM: The Natural Heritage Program is an ongoing, systematic, scientific inventory whose goal is to compile and maintain data on the rare plants and animals native to New York State, and significant ecological communities. The data provided in the report facilitate sound planning, conservation, and natural resource management and help to conserve the plants, animals and ecological communities that represent New York's natural heritage.

DATA SENSITIVITY: The data provided in the report are ecologically sensitive and should be treated in a sensitive manner. The report is for your in-house use and should not be released, distributed or incorporated in a public document without prior permission from the Natural Heritage Program.

NATURAL HERITAGE REPORTS (may contain any of the following types of data):

COUNTY NAME: County where the occurrence of a rare species or significant ecological community is located.

TOWN NAME: Town where the occurrence of a rare species or significant ecological community is located.

USGS 7 1/2' TOPOGRAPHIC MAP: Name of 7.5 minute US Geological Survey (USGS) quadrangle map (scale 1:24,000).

SIZE (acres): Approximate acres occupied by the rare species or significant ecological community at this location. A blank indicates unknown size.

SCIENTIFIC NAME: Scientific name of the occurrence of a rare species or significant ecological community.

COMMON NAME: Common name of the occurrence of a rare species or significant ecological community.

ELEMENT TYPE: Type of element (i.e. plant, animal, significant ecological community, other, etc.)

LAST SEEN: Year rare species or significant ecological community last observed extant at this location.

BO RANK: Comparative evaluation summarizing the quality, condition, viability and defensibility of this occurrence. Use with LAST SEEN.

A-E = Extant: A=excellent, B=good, C=fair, D=poor, E=extant but with insufficient data to assign a rank of A - D.

F = Failed to find. Did not locate species, but habitat is still there and further field work is justified.

H = Historical. Historical occurrence without any recent field information.

X = Extirpated. Field/other data indicates element/habitat is destroyed and the element no longer exists at this location.

? = Unknown.

Blank = Not assigned.

NEW YORK STATE STATUS (animals): Categories of Endangered and Threatened species are defined in New York State Environmental Conservation Law section 11-0535. Endangered, Threatened, and Special Concern species are listed in regulation 6NYCRR 182.5.

E = Endangered Species: any species which meet one of the following criteria:

1) Any native species in imminent danger of extirpation or extinction in New York.

2) Any species listed as endangered by the United States Department of the Interior, as enumerated in the Code of Federal Regulations 50 CFR 17.11

T = Threatened Species: any species which meet one of the following criteria:

1) Any native species likely to become an endangered species within the foreseeable future in NY.

2) Any species listed as threatened by the U.S. Department of the Interior, as enumerated in the Code of the Federal Regulations 50 CFR 17.11.

SC = Special Concern Species: those species which are not yet recognized as endangered or threatened, but for which documented concern exists for their continued welfare in New York. Unlike the first two categories, species of special concern receive no additional legal protection under Environmental Conservation Law section 11-0535 (Endangered and Threatened Species).

P = Protected Wildlife (defined in Environmental Conservation Law section 11-0103): wild game, protected wild birds, and endangered species of wildlife.

U = Unprotected (defined in Environmental Conservation Law section 11-0103): the species may be taken at any time without limit; however a license to take may be required.

G = Game (defined in Environmental Conservation Law section 11-0103): any of a variety of big game or small game species as stated in the Environmental Conservation Law; many normally have an open season for at least part of the year, and are protected at other times.

NEW YORK STATE STATUS (plants): The following categories are defined in regulation 6NYCRR part 193.3 and apply to NYS Environmental Conservation Law section 9-1503.

E = Endangered Species: listed species are those with:

1) 5 or fewer extant sites, or

2) fewer than 1,000 individuals, or

3) restricted to fewer than 4 U.S.G.S. 7 1/2 minute topographical maps, or

4) species listed as endangered by U.S. Department of Interior, as enumerated in Code of Federal Regulations 50 CFR 17.11.

T = Threatened: listed species are those with:

1) 6 to fewer than 20 extant sites, or

2) 1,000 to fewer than 3,000 individuals, or

3) restricted to not less than 4 or more than 7 U.S.G.S. 7 and 1/2 minute topographical maps, or

4) listed as threatened by U.S. Department of Interior, as enumerated in Code of Federal Regulations 50 CFR 17.11.

R = Rare: listed species have:

1) 20 to 35 extant sites, or

2) 3,000 to 5,000 individuals statewide.

V = Exploitably vulnerable: listed species are likely to become threatened in the near future throughout all or a significant portion of their range within the state if causal factors continue unchecked.

U = Unprotected; no state status.

continued on next page



United States Department of the Interior

FISH AND WILDLIFE SERVICE

3817 Luker Road
Cortland, NY 13045



July 21, 2004

Ms. Barbara C. Reuter
President
The Environmental Collaborative
309 Palmer Drive
Fayetteville, NY 13066-1246

Dear Ms. Reuter:

This responds to your letter of June 24, 2004, requesting information on the presence of Federally listed or proposed endangered or threatened species in the vicinity of the Cooper Crouse-Hinds Landfills in the City of Syracuse and Town of Salina, Onondaga County, New York.

Except for occasional transient individuals, no Federally listed or proposed endangered or threatened species under our jurisdiction are known to exist in the project impact area. In addition, no habitat in the project impact area is currently designated or proposed "critical habitat" in accordance with provisions of the Endangered Species Act (87 Stat. 884, as amended; 16 U.S.C. 1531 et seq.). Therefore, no further Endangered Species Act coordination or consultation with the U.S. Fish and Wildlife Service (Service) is required. Should project plans change, or if additional information on listed or proposed species or critical habitat becomes available, this determination may be reconsidered. The most recent compilation of Federally listed and proposed endangered and threatened species in New York* is available for your information.

The above comments pertaining to endangered species under our jurisdiction are provided pursuant to the Endangered Species Act. This response does not preclude additional Service comments under other legislation.

For additional information on fish and wildlife resources or State-listed species, we suggest you contact the appropriate New York State Department of Environmental Conservation regional office(s).* and:

New York State Department of Environmental Conservation
New York Natural Heritage Program Information Services
625 Broadway
Albany, NY 12233-4757
(518) 402-8935

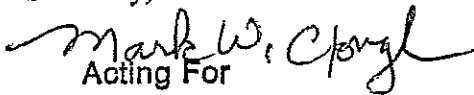
Since wetlands may be present, you are advised that National Wetlands Inventory (NWI) maps may or may not be available for the project area. However, while the NWI maps are reasonably accurate, they should not be used in lieu of field surveys for determining the presence of wetlands or delineating wetland boundaries for Federal regulatory purposes. Copies of specific NWI maps can be obtained from:

Cornell Institute for Resource Information Systems
302 Rice Hall
Cornell University
Ithaca, NY 14853-5601
(607) 255-6520
web: <http://iris.css.cornell.edu>
email: cornell-iris@cornell.edu

Work in certain waters of the United States, including wetlands, may require a permit from the U.S. Army Corps of Engineers (Corps). If a permit is required, in reviewing the application pursuant to the Fish and Wildlife Coordination Act, the Service may concur, with or without recommending additional permit conditions, or recommend denial of the permit depending upon potential adverse impacts on fish and wildlife resources associated with project construction or implementation. The need for a Corps permit may be determined by contacting the appropriate Corps office(s).*

If you require additional information or assistance please contact Michael Stoll at (607) 753-9334.

Sincerely,


Acting For

David A. Stilwell
Field Supervisor

*Additional information referred to above may be found on our website at:
<http://nyfo.fws.gov/es/esdesc.htm>.

cc: NYSDEC, Syracuse, NY (Environmental Permits)
NYSDEC, Albany, NY (Natural Heritage Program)
COE, Buffalo, NY

New York State Department of Environmental Conservation
Division of Fish, Wildlife and Marine Resources, Region 7
Bureau of Fisheries
1285 Fisher Avenue, Cortland, New York 13045-1090
Phone: (607) 753-3095 • FAX: (607) 753-8532
Website: www.dec.state.ny.us

IMMEDIATE ATTENTIONTO: Barb ReuterFROM: David LennonREGION 7 - CORTLAND OFFICEFAX #: (607) 637-0425 NUMBER OF PAGES 4 PLUS COVERDATE: 7/1/04

MESSAGE:

Historical Fisheries info on requested
area of Ley Creek.

NEW YORK STATE CONSERVATION DEPARTMENT

STREAM SURVEY

Name & Key of Stream Ley Creek (3-08-P154)
 Section Entire Mileage (Section) 9.6 Mileage (Entire) 9.6
 County(s) Onondaga Town(s) DeWitt & Salina
 Quadrangle(s) Syracuse 15', Syracuse East 7 1/2' & Syracuse West 7 1/2'
 Watershed Oswego Date 8/12-18/71 Authority Creach, Wedge, Voss
 Previous Stocking None known, although rumors persist that this stream and tribe
once held trout
 Postage Mileage (Section) None Posted Mileage (Entire) --
 Accessibility (Section) 9.6 miles Accessibility (Entire) --
 Trout inhabited area (Section) None Trout inhabited area (Entire) --

Special features (dams, falls, pollution, dredging, erosion, etc.) Lower 2 miles was an excellent waterfowl marsh. Is now filled (1968-1971). Stream is grossly polluted primarily by industrial waste, particularly petroleum products. Most of the stream has been dredged at one time - part of it quite recently (1970) and most of it a long time ago (50 yrs. +). Several limited access highways have crossed the stream recently destroying cover. ~~XXXXXX~~ Trib. 1, Beartrap Creek, has a large sewage disposal plant on its east bank.

1/56/10M

FISH COLLECTION
or
SMALL STREAM SURVEY

Survey Oswego Date 8/18/71 Authority L. R. Wedge
 Name and key Ley Creek (3-08-P154) Quad Syracuse West 7 1/2'
Old Liverpool Rd.,
 Station location 0.3 abv. mouth County Onondaga
 Length Width Depth Acres
 Flow Temp: A 86 W 79 Time (EST) 2:15 PM
 Gear Not shocked Efficiency (yg trout)
 Young trout per acre (adjusted total)
 Factors: W N H F Total

General notes:

This section appears to be very uniform, having a depth of two feet.

low is a mixture of silt, sand, clay and and is too soft to walk on. Therefore, tion was not shocked. Vegetation is 6' tall cattails along banks.

For Barb Ruder
 309 Palmer Dr.
 Fayetteville NY 13066
 (315) 637-3701
 - 04/25
 (F)

Stocking policy: None

18-29

(over)

FISH COLLECTION
or
SMALL STREAM SURVEY

Survey Oswego Date 8/18/71 Authority L. R. Wedge
 Name and key Ley Creek (3-OSP154) Quad Syracuse West 7½'
1.0 mi. abv. T-1
 Station location 0.25 abv. Lemoyne Ave. County Onondaga
 Length 450' Width 15' (10-20') Depth 18" (to 4.5') Acres _____
 Flow 0.4 cfs Temp: A 74 W 68 Time (EST) 9:45 a.m.
 Gear 220 RAC - 2 wands Efficiency (yg trout) _____
 Young trout per acre (adjusted total) None
 Factors: W _____ N _____ H _____ F _____ Total _____

General notes:

Bottom clay (10%), rubble & trash (60%), muck (30%).
 Water is turbid, oil slick present.
 Water here very conductive - blew 4 10A fuses on
 1/2 wave - using 2 wands (50% of section) - blew no
 fuses using 1 wand.
 One crayfish found dead - apparently not long.
 Section receives periodic toxic pollutants.
 Section dredged in part.

Stocking policy:

FR-29

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FISH COLLECTION
or
SMALL STREAM SURVEY

Survey Oswego Date 8/18/71 Authority L. R. Wedge
 Name and key Ley Creek (3-OSP154) Quad Syr. West 7½'
 Station location 7th N. Street, at T-1 County Onondaga
 Length 200' Width 25' (20-30') Depth 2' (to 4') Acres XXXXXX
 Flow _____ Temp: A 85 W 75 Time (EST) 12:20 pm.
 Gear 220 RAC Homelite Efficiency (yg trout) _____
 Young trout per acre (adjusted total) None
 Factors: W _____ N _____ H _____ F _____ Total _____

General notes:

Bottom is 25% rubbish, 75% mud.
 Water very turbid.
 Wide, deep dredged section.

Stocking policy:

FR-29

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1.0 mi. gbr. T-1

| Name of species | Abundance | Number and description |
|-----------------|-----------|----------------------------------------------------------|
| C. carpio | | One 24" seen dead - appeared to be dead less than 1 day. |

1.0 N. STREET ST 1-1

| Name of species | Abundance | Number and description |
|-----------------|-----------|------------------------|
| C. commersoni | R | to 7" |
| N. crysoleucas | 2 | |
| P. flavescens | I | |
| C. carpio | C | to 30" |
| E. inconstans | C- | |



New York State Department of
Environmental Conservation

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NYS Breeding Bird Atlas



2000-2004

Navigation Tools

[Perform Another Search](#)
[Show All Records](#)
[Sort by Field Card Order](#)
[Sort by Taxonomic Order](#)
[View 1985 Data](#)

Block 4077C Summary

Total Species: 68
 Possible: 7
 Probable: 14
 Confirmed: 47

Click on column heading to sort by that category.

| <u>Common Name</u> | <u>Scientific Name</u> | <u>Behavior Code</u> | <u>Date</u> | <u>NY Legal Status</u> |
|--------------------|----------------------------|----------------------|-------------|---------------------------|
| Great Blue Heron | <i>Ardea herodias</i> | X1 | 8/5/2001 | Protected |
| Green Heron | <i>Butorides virescens</i> | FL | 7/12/2003 | Protected |
| Turkey Vulture | <i>Cathartes aura</i> | X1 | 7/15/2001 | Protected |
| Canada Goose | <i>Branta canadensis</i> | FL | 6/10/2001 | Game Species |
| Wood Duck | <i>Alx sponsa</i> | FL | 7/1/2002 | Game Species |
| Mallard | <i>Anas platyrhynchos</i> | FL | 6/9/2001 | Game Species |
| Osprey | <i>Pandion haliaetus</i> | X1 | 6/10/2001 | Protected-Special Concern |
| Northern Harrier | <i>Circus cyaneus</i> | P2 | 6//2003 | Threatened |
| Cooper's Hawk | <i>Accipiter cooperii</i> | X1 | 8/17/2003 | Protected-Special Concern |
| Red-tailed Hawk | <i>Buteo jamaicensis</i> | NE | 5/25/2000 | Protected |
| | | | | |

| | | | | |
|-------------------------------|-----------------------------------|----|-----------|---------------------------|
| American Kestrel | <i>Falco sparverius</i> | FL | 7/2/2002 | Protected |
| Wild Turkey | <i>Meleagris gallopavo</i> | FL | 7/1/2002 | Game Species |
| Killdeer | <i>Charadrius vociferus</i> | FL | 7/2/2002 | Protected |
| Spotted Sandpiper | <i>Actitis macularia</i> | FL | 6//2003 | Protected |
| Upland Sandpiper | <i>Bartramia longicauda</i> | FL | 7/1/2002 | Threatened |
| American Woodcock | <i>Scolopax minor</i> | X1 | 5/3/2001 | Game Species |
| Rock Dove | <i>Columba livia</i> | NE | 7/19/2000 | Unprotected |
| Mourning Dove | <i>Zenaida macroura</i> | FL | 5/2/2000 | Protected |
| Great Horned Owl | <i>Bubo virginianus</i> | P2 | 2/3/2002 | Protected |
| Chimney Swift | <i>Chaetura pelagica</i> | T2 | 6/1/2002 | Protected |
| Ruby-throated Hummingbird | <i>Archilochus colubris</i> | T2 | 7/2/2002 | Protected |
| Belted Kingfisher | <i>Ceryle alcyon</i> | FY | 6/10/2001 | Protected |
| Downy Woodpecker | <i>Picoides pubescens</i> | FY | 6/18/2000 | Protected |
| Hairy Woodpecker | <i>Picoides villosus</i> | NY | 5/15/2000 | Protected |
| Northern Flicker | <i>Colaptes auratus</i> | ON | 6/28/2000 | Protected |
| Eastern Wood-Pewee | <i>Contopus virens</i> | FL | 6/18/2000 | Protected |
| Willow Flycatcher | <i>Empidonax traillii</i> | T2 | 6/5/2000 | Protected |
| Least Flycatcher | <i>Empidonax minimus</i> | T2 | 6/29/2003 | Protected |
| Eastern Phoebe | <i>Sayornis phoebe</i> | X1 | 5/10/2000 | Protected |
| Eastern Kingbird | <i>Tyrannus tyrannus</i> | FS | 8/13/2000 | Protected |
| Warbling Vireo | <i>Vireo gilvus</i> | FL | 6/16/2001 | Protected |
| Red-eyed Vireo | <i>Vireo olivaceus</i> | S2 | 7/23/2001 | Protected |
| Blue Jay | <i>Cyanocitta cristata</i> | FY | 7/1/2002 | Protected |
| American Crow | <i>Corvus brachyrhynchos</i> | FY | 7/4/2000 | Game Species |
| Horned Lark | <i>Eremophila alpestris</i> | P2 | 7/1/2002 | Protected-Special Concern |
| Tree Swallow | <i>Tachycineta bicolor</i> | FY | 6/28/2000 | Protected |
| Northern Rough-winged Swallow | <i>Stelgidopteryx serripennis</i> | NY | 7/5/2001 | Protected |

| | | | | |
|-------------------------|----------------------------------|----|-----------|---------------------------|
| Barn Swallow | <i>Hirundo rustica</i> | NY | 7/13/2003 | Protected |
| Black-capped Chickadee | <i>Poecile atricapillus</i> | S2 | 5/10/2000 | Protected |
| Tufted Titmouse | <i>Baeolophus bicolor</i> | S2 | 7/6/2003 | Protected |
| White-breasted Nuthatch | <i>Sitta carolinensis</i> | FY | 5/26/2000 | Protected |
| House Wren | <i>Troglodytes aedon</i> | NE | 7/1/2002 | Protected |
| Wood Thrush | <i>Hylocichla mustelina</i> | S2 | 5/23/2001 | Protected |
| American Robin | <i>Turdus migratorius</i> | NE | 5/10/2000 | Protected |
| Gray Catbird | <i>Dumetella carolinensis</i> | FY | 6/28/2000 | Protected |
| Northern Mockingbird | <i>Mimus polyglottos</i> | FY | 7/4/2000 | Protected |
| Brown Thrasher | <i>Toxostoma rufum</i> | X1 | 6/1/2002 | Protected |
| European Starling | <i>Sturnus vulgaris</i> | NY | 5/9/2001 | Unprotected |
| Cedar Waxwing | <i>Bombycilla cedrorum</i> | FL | 8/17/2003 | Protected |
| Yellow Warbler | <i>Dendroica petechia</i> | FY | 6/28/2000 | Protected |
| American Redstart | <i>Setophaga ruticilla</i> | P2 | 6/27/2001 | Protected |
| Common Yellowthroat | <i>Geothlypis trichas</i> | FL | 6/28/2000 | Protected |
| Chipping Sparrow | <i>Spizella passerina</i> | FL | 6/29/2001 | Protected |
| Savannah Sparrow | <i>Passerculus sandwichensis</i> | ON | 7/1/2002 | Protected |
| Grasshopper Sparrow | <i>Ammodramus savannarum</i> | P2 | 7/1/2002 | Protected-Special Concern |
| Song Sparrow | <i>Melospiza melodia</i> | FY | 6/16/2001 | Protected |
| Swamp Sparrow | <i>Melospiza georgiana</i> | S2 | 7/15/2003 | Protected |
| Northern Cardinal | <i>Cardinalis cardinalis</i> | FY | 7/1/2002 | Protected |
| Rose-breasted Grosbeak | <i>Pheucticus ludovicianus</i> | FY | 7/1/2002 | Protected |
| Bobolink | <i>Dolichonyx oryzivorus</i> | FY | 7/15/2003 | Protected |
| Red-winged Blackbird | <i>Agelaius phoeniceus</i> | FY | 6/2/2000 | Protected |

| | | | | |
|----------------------|-----------------------------|-----------|-----------|--------------------|
| Eastern Meadowlark | <i>Sturnella magna</i> | <u>FY</u> | 7/15/2003 | <u>Protected</u> |
| Common Grackle | <i>Quiscalus quiscula</i> | <u>FY</u> | 6/2/2000 | <u>Protected</u> |
| Brown-headed Cowbird | <i>Molothrus ater</i> | <u>FY</u> | 7/1/2002 | <u>Protected</u> |
| Baltimore Oriole | <i>Icterus galbula</i> | <u>FY</u> | 7/2/2000 | <u>Protected</u> |
| House Finch | <i>Carpodacus mexicanus</i> | <u>FY</u> | 6/10/2001 | <u>Protected</u> |
| American Goldfinch | <i>Carduelis tristis</i> | <u>FL</u> | 8/31/2003 | <u>Protected</u> |
| House Sparrow | <i>Passer domesticus</i> | <u>ON</u> | 5/15/2000 | <u>Unprotected</u> |

Current Date: 6/24/2004



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NYS Breeding Bird Atlas



1980-1985

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Block 4077C Summary

| | |
|----------------|----|
| Total Species: | 60 |
| Possible: | 10 |
| Probable: | 21 |
| Confirmed: | 29 |

Click on column heading to sort by that category.

| Common Name | Scientific Name | Behavior Code | Date | NY Legal |
|-------------------|-----------------------------|---------------|------|------------|
| Green Heron | <i>Butorides virescens</i> | P2 | 1983 | Protected |
| Mallard | <i>Anas platyrhynchos</i> | FL | 1983 | Game Spe |
| Red-tailed Hawk | <i>Buteo jamaicensis</i> | NY | 1980 | Protected |
| American Kestrel | <i>Falco sparverius</i> | X1 | 1983 | Protected |
| Virginia Rail | <i>Rallus limicola</i> | T2 | 1983 | Game Spe |
| Killdeer | <i>Charadrius vociferus</i> | DD | 1983 | Protected |
| Spotted Sandpiper | <i>Actitis macularia</i> | DD | 1983 | Protected |
| Upland Sandpiper | <i>Bartramia longicauda</i> | FL | 1982 | Threatene |
| Rock Dove | <i>Columba livia</i> | FL | 1983 | Unprotecte |
| Mourning Dove | <i>Zenaida macroura</i> | FL | 1983 | Protected |
| Great Horned Owl | <i>Bubo virginianus</i> | NY | 1980 | Protected |
| Ruby-throated | <i>Archilochus colubris</i> | X1 | 1983 | Protected |

| | | | | |
|-------------------------------|-----------------------------------|----|------|-----------------------|
| Hummingbird | | | | |
| Belted Kingfisher | <i>Ceryle alcyon</i> | X1 | 1983 | Protected |
| Downy Woodpecker | <i>Picoides pubescens</i> | FL | 1983 | Protected |
| Hairy Woodpecker | <i>Picoides villosus</i> | D2 | 1983 | Protected |
| Northern Flicker | <i>Colaptes auratus</i> | FL | 1983 | Protected |
| Willow Flycatcher | <i>Empidonax traillii</i> | D2 | 1983 | Protected |
| Least Flycatcher | <i>Empidonax minimus</i> | D2 | 1983 | Protected |
| Eastern Kingbird | <i>Tyrannus tyrannus</i> | T2 | 1983 | Protected |
| Warbling Vireo | <i>Vireo gilvus</i> | D2 | 1983 | Protected |
| Red-eyed Vireo | <i>Vireo olivaceus</i> | T2 | 1983 | Protected |
| Blue Jay | <i>Cyanocitta cristata</i> | P2 | 1983 | Protected |
| American Crow | <i>Corvus brachyrhynchos</i> | P2 | 1983 | Game Spe |
| Horned Lark | <i>Eremophila alpestris</i> | FL | 1984 | Protected-
Concern |
| Tree Swallow | <i>Tachycineta bicolor</i> | FL | 1983 | Protected |
| Northern Rough-winged Swallow | <i>Stelgidopteryx serripennis</i> | X1 | 1983 | Protected |
| Cliff Swallow | <i>Petrochelidon pyrrhonota</i> | X1 | 1983 | Protected |
| Barn Swallow | <i>Hirundo rustica</i> | NE | 1983 | Protected |
| Black-capped Chickadee | <i>Poecile atricapillus</i> | P2 | 1983 | Protected |
| House Wren | <i>Troglodytes aedon</i> | D2 | 1983 | Protected |
| Veery | <i>Catharus fuscescens</i> | X1 | 1983 | Protected |
| Wood Thrush | <i>Hylocichla mustelina</i> | T2 | 1983 | Protected |
| American Robin | <i>Turdus migratorius</i> | FY | 1983 | Protected |
| Gray Catbird | <i>Dumetella carolinensis</i> | D2 | 1983 | Protected |
| Brown Thrasher | <i>Toxostoma rufum</i> | T2 | 1983 | Protected |
| European Starling | <i>Sturnus vulgaris</i> | FY | 1983 | Unprotect |
| Cedar Waxwing | <i>Bombycilla cedrorum</i> | FY | 1983 | Protected |
| Blue-winged Warbler | <i>Vermivora pinus</i> | X1 | 1983 | Protected |
| Yellow Warbler | <i>Dendroica petechia</i> | FL | 1983 | Protected |
| American Redstart | <i>Setophaga ruticilla</i> | FL | 1983 | Protected |
| Common Yellowthroat | <i>Geothlypis trichas</i> | D2 | 1983 | Protected |
| Hooded Warbler | <i>Wilsonia citrina</i> | X1 | 1983 | Protected |
| | | | | |

| | | | | |
|------------------------|----------------------------------|----|------|-------------------|
| Eastern Towhee | <i>Pipilo erythrophthalmus</i> | X1 | 1983 | Protected |
| Chipping Sparrow | <i>Spizella passerina</i> | FL | 1983 | Protected |
| Field Sparrow | <i>Spizella pusilla</i> | D2 | 1983 | Protected |
| Savannah Sparrow | <i>Passerculus sandwichensis</i> | FY | 1982 | Protected |
| Grasshopper Sparrow | <i>Ammodramus savannarum</i> | FY | 1982 | Protected-Concern |
| Song Sparrow | <i>Melospiza melodia</i> | FL | 1983 | Protected |
| Swamp Sparrow | <i>Melospiza georgiana</i> | T2 | 1983 | Protected |
| Northern Cardinal | <i>Cardinalis cardinalis</i> | FL | 1983 | Protected |
| Rose-breasted Grosbeak | <i>Pheucticus ludovicianus</i> | X1 | 1983 | Protected |
| Bobolink | <i>Dolichonyx oryzivorus</i> | D2 | 1983 | Protected |
| Red-winged Blackbird | <i>Agelaius phoeniceus</i> | FY | 1982 | Protected |
| Eastern Meadowlark | <i>Sturnella magna</i> | T2 | 1983 | Protected |
| Common Grackle | <i>Quiscalus quiscula</i> | FY | 1983 | Protected |
| Brown-headed Cowbird | <i>Molothrus ater</i> | FL | 1983 | Protected |
| Baltimore Oriole | <i>Icterus galbula</i> | FY | 1983 | Protected |
| House Finch | <i>Carpodacus mexicanus</i> | FL | 1983 | Protected |
| American Goldfinch | <i>Carduelis tristis</i> | P2 | 1983 | Protected |
| House Sparrow | <i>Passer domesticus</i> | UN | 1983 | Unprotected |

Current Date: 6/24/2004

Amphibians and Reptiles of Syracuse West Quadrangle compiled 1 July 2004 by Alvin r. Breisch

based on NYS Amphibian and Reptile Atlas 1990 to 1999

| Town | Topo Quad | Detailed location | Scientific Name | Common Name |
|----------|---------------|--------------------------------------------------|--------------------------------------|-------------------------------|
| Geddes | Syracuse West | Just W of Burnet Park Zoo (Henry Street) | <i>Clemmys insculpta</i> | Wood Turtle |
| Geddes | Syracuse West | NYS Thruway 10 Miles West of Exit 39, Slova | <i>Chelydra s. serpentina</i> | Common Snapping Turtle |
| Geddes | Syracuse West | Onondaga Lake | <i>Bufo a. americanus</i> | Eastern American Toad |
| Geddes | Syracuse West | Onondaga Lake | <i>Hyla versicolor</i> | Gray Treefrog |
| Geddes | Syracuse West | Onondaga Lake | <i>Pseudacris c. crucifer</i> | Northern Spring Peeper |
| Geddes | Syracuse West | Onondaga Lake | <i>Rana clamitans melanota</i> | Green Frog |
| Geddes | Syracuse West | Onondaga Lake | <i>Rana pipiens</i> | Northern Leopard Frog |
| Geddes | Syracuse West | Onondaga Lake | <i>Ambystoma maculatum</i> | Spotted Salamander |
| Geddes | Syracuse West | Onondaga Lake | <i>Notophthalmus v. viridescens</i> | Red-spotted Newt |
| Geddes | Syracuse West | Onondaga Lake | <i>Nerodia s. sipedon</i> | Northern Water Snake |
| Geddes | Syracuse West | Onondaga Lake | <i>Storeria d. dekayi</i> | Northern Brown Snake |
| Geddes | Syracuse West | Onondaga Lake | <i>Thamnophis sirtalis</i> | Common Garter Snake |
| Geddes | Syracuse West | Onondaga Lake | <i>Chelydra s. serpentina</i> | Common Snapping Turtle |
| Geddes | Syracuse West | Onondaga Lake | <i>Chrysemys picta</i> | Painted Turtle |
| Geddes | Syracuse West | Onondaga Lake | <i>Sternotherus odoratus</i> | Common Musk Turtle |
| Onondaga | Syracuse West | Onondaga Community College Campus | <i>Pseudacris c. crucifer</i> | Northern Spring Peeper |
| Onondaga | Syracuse West | Onondaga Community College Campus | <i>Rana clamitans melanota</i> | Green Frog |
| Onondaga | Syracuse West | Onondaga Community College Campus | <i>Desmognathus fuscus</i> | Northern Dusky Salamander |
| Onondaga | Syracuse West | Onondaga Community College Campus | <i>Eurycea bislineata</i> | Northern Two-lined Salamander |
| Onondaga | Syracuse West | Onondaga Community College Campus | <i>Diadophis punctatus edwardsii</i> | Northern Ringneck Snake |
| Onondaga | Syracuse West | Onondaga Community College Campus | <i>Thamnophis sirtalis</i> | Common Garter Snake |
| Onondaga | Syracuse West | Split Rock Quarry, just north of Split Rock Road | <i>Pseudacris c. crucifer</i> | Northern Spring Peeper |
| Onondaga | Syracuse West | Split Rock Quarry, just north of Split Rock Road | <i>Rana clamitans melanota</i> | Green Frog |
| Onondaga | Syracuse West | Split Rock Quarry, just north of Split Rock Road | <i>Rana pipiens</i> | Northern Leopard Frog |
| Onondaga | Syracuse West | Split Rock Quarry, just north of Split Rock Road | <i>Plethodon cinereus</i> | Northern Redback Salamander |
| Onondaga | Syracuse West | Split Rock Quarry, just north of Split Rock Road | <i>Plethodon glutinosus</i> | Northern Slimy Salamander |
| Onondaga | Syracuse West | Split Rock Quarry, just north of Split Rock Road | <i>Diadophis punctatus edwardsii</i> | Northern Ringneck Snake |
| Onondaga | Syracuse West | Split Rock Quarry, just north of Split Rock Road | <i>Lampropeltis t. triangulum</i> | Eastern Milk Snake |
| Onondaga | Syracuse West | Split Rock Quarry, just north of Split Rock Road | <i>Thamnophis sirtalis</i> | Common Garter Snake |
| Salina | Syracuse West | Hancock Airport | <i>Pseudacris c. crucifer</i> | Northern Spring Peeper |
| Salina | Syracuse West | Hancock Airport | <i>Rana clamitans melanota</i> | Green Frog |
| Salina | Syracuse West | Hancock Airport | <i>Thamnophis sirtalis</i> | Common Garter Snake |

| | | | | |
|-----------------|---------------|------------------------------------------------------------------------------|-------------------------------------|-----------------------------|
| Salina | Syracuse West | Hopkins Road between Buckley & Henry Clay in wooded swamp area | <i>Pseudacris c. crucifer</i> | Northern Spring Peeper |
| Salina | Syracuse West | Hopkins Road between Buckley & Henry Clay in wooded swamp area | <i>Rana clamitans melanota</i> | Green Frog |
| Salina | Syracuse West | Hopkins Road between Buckley & Henry Clay in wooded swamp area | <i>Rana pipiens</i> | Northern Leopard Frog |
| Salina | Syracuse West | Hopkins Road between Buckley & Henry Clay in wooded swamp area | <i>Thamnophis sirtalis</i> | Common Garter Snake |
| Salina | Syracuse West | Little League field in Lonergan Park, North Syracuse | <i>Bufo a. americanus</i> | Eastern American Toad |
| Salina | Syracuse West | Onondaga Lake | <i>Pseudacris c. crucifer</i> | Northern Spring Peeper |
| Salina | Syracuse West | Onondaga Lake | <i>Rana clamitans melanota</i> | Green Frog |
| Salina | Syracuse West | Onondaga Lake | <i>Rana pipiens</i> | Northern Leopard Frog |
| Salina | Syracuse West | Onondaga Lake | <i>Nerodia s. sipedon</i> | Northern Water Snake |
| Salina | Syracuse West | Onondaga Lake | <i>Thamnophis sirtalis</i> | Common Garter Snake |
| Salina | Syracuse West | Onondaga Lake | <i>Chelydra s. serpentina</i> | Common Snapping Turtle |
| Salina | Syracuse West | Onondaga Lake | <i>Chrysemys picta</i> | Painted Turtle |
| Salina | Syracuse West | Syracuse Airport property, 1200 Airport Blvd., US Airways Reservation Center | <i>Bufo a. americanus</i> | Eastern American Toad |
| Syracuse - city | Syracuse West | | <i>Rana pipiens</i> | Northern Leopard Frog |
| Syracuse - city | Syracuse West | 61 Summit Ave. - urban residential area on steep hillside | <i>Storeria d. dekayi</i> | Northern Brown Snake |
| Syracuse - city | Syracuse West | Area around Comstock Avenue & Syracuse University | <i>Bufo a. americanus</i> | Eastern American Toad |
| Syracuse - city | Syracuse West | Area around Comstock Avenue & Syracuse University | <i>Pseudacris c. crucifer</i> | Northern Spring Peeper |
| Syracuse - city | Syracuse West | Area around Comstock Avenue & Syracuse University | <i>Rana clamitans melanota</i> | Green Frog |
| Syracuse - city | Syracuse West | Area around Comstock Avenue & Syracuse University | <i>Plethodon cinereus</i> | Northern Redback Salamander |
| Syracuse - city | Syracuse West | Area around Comstock Avenue & Syracuse University | <i>Storeria d. dekayi</i> | Northern Brown Snake |
| Syracuse - city | Syracuse West | Area around Comstock Avenue & Syracuse University | <i>Thamnophis sirtalis</i> | Common Garter Snake |
| Syracuse - city | Syracuse West | Burnet Park | <i>Plethodon cinereus</i> | Northern Redback Salamander |
| Syracuse - city | Syracuse West | By Booth Hall on Syracuse Campus | <i>Thamnophis sirtalis</i> | Common Garter Snake |
| Syracuse - city | Syracuse West | Comstock Ave., South of East Colvin | <i>Bufo a. americanus</i> | Eastern American Toad |
| Syracuse - city | Syracuse West | Corner Jamesville Ave. & Ainsley Drive in Syracuse (City) | <i>Lampropeltis t. triangulum</i> | Eastern Milk Snake |
| Syracuse - city | Syracuse West | Grounds of Syracuse Development Center | <i>Plethodon cinereus</i> | Northern Redback Salamander |
| Syracuse - city | Syracuse West | Hillside along Jamesville Ave., Syracuse University South Campus | <i>Bufo a. americanus</i> | Eastern American Toad |
| Syracuse - city | Syracuse West | Hillside along Jamesville Ave., Syracuse University South Campus | <i>Plethodon cinereus</i> | Northern Redback Salamander |
| Syracuse - city | Syracuse West | Hillside along Jamesville Ave., Syracuse University South Campus | <i>Storeria d. dekayi</i> | Northern Brown Snake |
| Syracuse - city | Syracuse West | Hillside along Jamesville Ave., Syracuse University South Campus | <i>Thamnophis sirtalis</i> | Common Garter Snake |
| Syracuse - city | Syracuse West | Oakwood Cemetery | <i>Storeria d. dekayi</i> | Northern Brown Snake |
| Syracuse - city | Syracuse West | Oakwood Cemetery | <i>Plethodon cinereus</i> | Northern Redback Salamander |
| Syracuse - city | Syracuse West | Park behind Corcoran High School off Glenwood Ave. | <i>Plethodon cinereus</i> | Northern Redback Salamander |
| Syracuse - city | Syracuse West | Park behind Corcoran High School off Glenwood Ave. | <i>Storeria o. occipitamaculata</i> | Northern Redbelly Snake |
| Syracuse - city | Syracuse West | Park behind Corcoran High School off Glenwood Ave. | <i>Plethodon cinereus</i> | Northern Redback Salamander |
| Syracuse - city | Syracuse West | Park behind Corcoran High School off Glenwood Ave. | <i>Plethodon glutinosus</i> | Northern Slimy Salamander |

Syracuse - city Syracuse West Path behind Corcoran High School off Glenwood Ave. *Thamnophis sirtalis* Common Garter Snake

Appendix B:

Natural Resources Maps

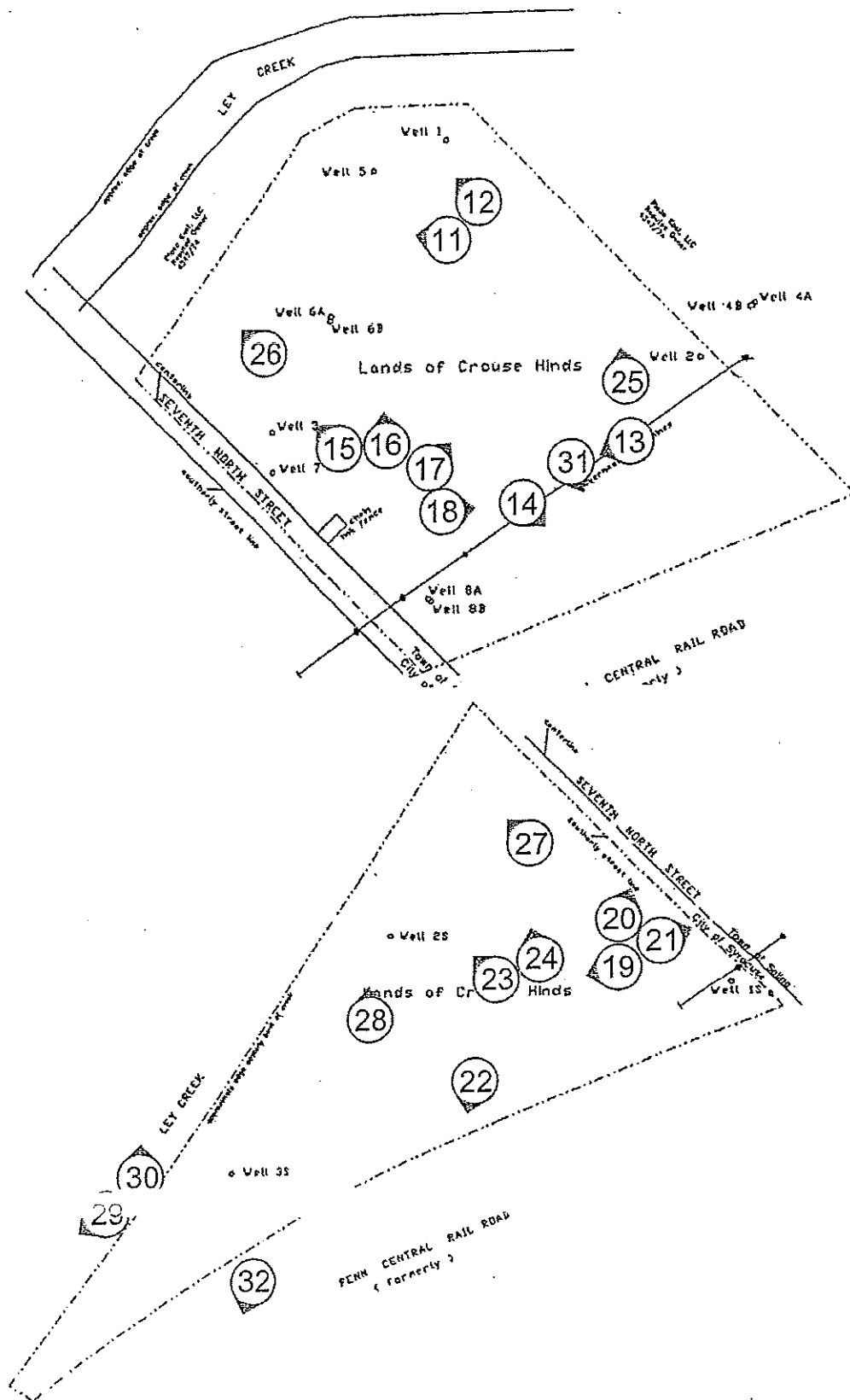


Figure 10. Photograph locations of the vegetation community types on the North and South Landfills.

Cooper Crouse-Hinds Landfill RI/FS Vegetation and Wildlife Study

Appendix C:

Vegetation and Wildlife Species Lists

Table 1. Vegetation Survey - Crouse Hinds North Landfill

| | |
|----------------------------------------|------------------------|
| Urticaceae (Nettle Family) | |
| <i>Pilea pumila</i> | Clearweed |
| Juglandaceae (Walnut Family) | |
| <i>Juglans nigra</i> | Black Walnut |
| Caryophyllaceae (Pink Family) | |
| <i>Dianthus armeria</i> | Deptford Pink |
| <i>Saponaria officinalis</i> | Bouncing-bet |
| <i>Silene latifolia</i> | White Campion |
| <i>Stellaria graminea</i> | Common Stitchwort |
| Polygonaceae (Buckwheat Family) | |
| <i>Polygonum cuspidatum</i> | Japanese Bamboo |
| <i>Rumex crispus</i> | Curly Dock |
| Clusiaceae (Mangosteen Family) | |
| <i>Hypericum perforatum</i> | Common St. John's-wort |
| Salicaceae (Willow Family) | |
| <i>Populus deltoides</i> | Eastern Cottonwood |
| <i>Populus tremuloides</i> | Quaking Aspen |
| <i>Salix nigra</i> | Black Willow |
| <i>Salix sp.</i> | Willow |
| Brassicaceae (Mustard Family) | |
| <i>Alliaria petiolata</i> | Garlic Mustard |
| <i>Hesperis matronalis</i> | Dame's-rocket |
| Rosaceae (Rose Family) | |
| <i>Geum laciniatum</i> | Rough Avens |
| <i>Potentilla recta</i> | Sulfer Cinquefoil |
| <i>Potentilla simplex</i> | Common Cinquefoil |
| Fabaceae (Bean Family) | |
| <i>Lotus corniculata</i> | Bird's-foot Trefoil |
| <i>Medicago lupulina</i> | Black Medic |
| <i>Melilotus sibe</i> | White Sweet-clover |
| <i>Melilotus officinalis</i> | Yellow Sweet-clover |
| <i>Robinia pseudo-acacia</i> | Black Locust |
| <i>Trifolium aureum</i> | Yellow Clover |
| <i>Trifolium pratense</i> | Red Clover |
| Rhamnaceae (Buckthorn Family) | |
| <i>Rhamnus cathartica</i> | Buckthorn |

Vitaceae (Grape Family)

| | |
|------------------------------------|------------------|
| <i>Parthenocissus quinquefolia</i> | Virginia Creeper |
| <i>Vitis aestivalis</i> | Summer Grape |
| <i>Vitis riparia</i> | Riverbank Grape |

Lythraceae (Loosestrife Family)

| | |
|--------------------------|--------------------|
| <i>Lythrum salicaria</i> | Purple Loosestrife |
|--------------------------|--------------------|

Aceraceae (Maple Family)

| | |
|---------------------|-----------|
| <i>Acer negundo</i> | Box-elder |
|---------------------|-----------|

Anacardiaceae (Sumac Family)

| | |
|-------------------|----------------|
| <i>Rhus hirta</i> | Staghorn Sumac |
|-------------------|----------------|

Oxalidaceae (Oxalis Family)

| | |
|-----------------------|---------------|
| <i>Oxalis stricta</i> | Lady's-sorrel |
|-----------------------|---------------|

Apiaceae (Carrot Family)

| | |
|----------------------|---------------------------------|
| <i>Daucus carota</i> | Wild Carrot (Queen Anne's-lace) |
|----------------------|---------------------------------|

Gentianaceae (Gentian Family)

| | |
|-----------------------------|----------|
| <i>Centaurium erythraea</i> | Centaury |
|-----------------------------|----------|

Apocynaceae (Dogbane Family)

| | |
|----------------------------|-------------|
| <i>Apocynum cannabinum</i> | Indian Hemp |
|----------------------------|-------------|

Asclepiadaceae (Milkweed Family)

| | |
|----------------------------|--------------------|
| <i>Asclepias incarnata</i> | Swamp Milkweed |
| <i>Asclepias syriaca</i> | Common Milkweed |
| <i>Asclepias tuberosa</i> | Butterfly-weed |
| <i>Cynanchum louiseae</i> | Black Swallow-wort |

Solanaceae (Nightshade Family)

| | |
|--------------------------|---------------------|
| <i>Solanum dulcamara</i> | Trailing Nightshade |
|--------------------------|---------------------|

Boraginaceae (Borage Family)

| | |
|-----------------------|----------------------|
| <i>Myosotis verna</i> | Spring Forget-me-not |
|-----------------------|----------------------|

Lamiaceae (Mint Family)

| | |
|---------------------------|------------|
| <i>Glechoma hederacea</i> | Ground-ivy |
| <i>Prunella vulgaris</i> | Self-heal |

Plantaginaceae (Plantain Family)

| | |
|----------------------------|------------------|
| <i>Plantago lanceolata</i> | English Plantain |
|----------------------------|------------------|

Oleaceae (Olive Family)

| | |
|-------------------------------|-----------|
| <i>Fraxinus pennsylvanica</i> | Green Ash |
|-------------------------------|-----------|

Scrophulariaceae (Figwort Family)

| | |
|----------------------------|-----------------|
| <i>Linaria vulgaris</i> | Butter-and-eggs |
| <i>Penstemon digitalis</i> | False-foxglove |
| <i>Verbascum blattaria</i> | Moth-mullein |

Scrophulariaceae (Figwort Family) (cont.)

| | |
|-------------------------------|----------------------|
| <i>Verbascum thapsus</i> | Mullein |
| <i>Veronica serpyllifolia</i> | Thyme-leaf Speedwell |

Bignoniaceae (Bignonia Family)

| | |
|-------------------------|---------|
| <i>Catalpa speciosa</i> | Catalpa |
|-------------------------|---------|

Rubiaceae (Madder Family)

| | |
|-------------------------|----------------|
| <i>Galium asprellum</i> | Rough Bedstraw |
| <i>Galium mollugo</i> | White Bedstraw |

Caprifoliaceae (Honeysuckle Family)

| | |
|--------------------------|-------------|
| <i>Lonicera tatarica</i> | Honeysuckle |
|--------------------------|-------------|

Dipsacaceae (Teasel Family)

| | |
|--------------------------|---------------|
| <i>Dipsacus fullonum</i> | Common Teasel |
|--------------------------|---------------|

Asteraceae (Aster Family)

| | |
|--------------------------------|--------------------|
| <i>Achillea millefolium</i> | Common Yarrow |
| <i>Ambrosia artemisiifolia</i> | Ragweed |
| <i>Centaurea maculosa</i> | Bushy Knapweed |
| <i>Cichorium intybus</i> | Chicory |
| <i>Erigeron philadelphicus</i> | Daisy Fleabane |
| <i>Eupatorium rugosum</i> | White Snakeroot |
| <i>Euthamia graminifolia</i> | Flat-top Goldenrod |
| <i>Hieracium caespitosum</i> | King-devil |
| <i>Hieracium pilosella</i> | Mouse-ear Hawkweed |
| <i>Leucanthemum vulgare</i> | Ox-eye Daisy |
| <i>Rudbeckia hirta</i> | Black-eyed Susan |
| <i>Solidago altissima</i> | Tall Goldenrod |
| <i>Solidago canadensis</i> | Canada Goldenrod |
| <i>Solidago gigantea</i> | Late Goldenrod |

Lemnaceae (Lemna Family)

| | |
|--------------------|----------|
| <i>Lemna minor</i> | Duckweed |
|--------------------|----------|

Juncaceae (Rush Family)

| | |
|----------------------|-------------------|
| <i>Juncus tenuis</i> | Slender Yard-rush |
|----------------------|-------------------|

Poaceae (Grass Family)

| | |
|-----------------------------|--------------------|
| <i>Bromus secalinus</i> | Cheat |
| <i>Dactylis glomerata</i> | Orchard Grass |
| <i>Festuca rubra</i> | Red Fescue |
| <i>Hordeum jubatum</i> | Foxtail Barley |
| <i>Lolium perenne</i> | English Ryegrass |
| <i>Panicum capillare</i> | Witchgrass |
| <i>Phleum pratense</i> | Timothy |
| <i>Phragmites australis</i> | Common Reed |
| <i>Poa compressa</i> | Canada Bluegrass |
| <i>Poa pratensis</i> | Kentucky Bluegrass |

Typhaceae (Cattail Family)

| | |
|---------------------------|---------------------|
| <i>Typha angustifolia</i> | Narrow-leaf Cattail |
|---------------------------|---------------------|

Liliaceae (Lily Family)

| | |
|------------------------------|-----------|
| <i>Asparagus officinalis</i> | Asparagus |
|------------------------------|-----------|

Table 2. Vegetation Survey - Crouse Hinds South Landfill

| | |
|---------------------------------------------|------------------------|
| Urticaceae (Nettle Family) | |
| <i>Urtica dioica</i> | Stinging Nettle |
| Juglandaceae (Walnut Family) | |
| <i>Juglans nigra</i> | Black Walnut |
| Phytolaccaceae (Pokeweed Family) | |
| <i>Phytolacca americana</i> | Pokeweed |
| Caryophyllaceae (Pink Family) | |
| <i>Cerastium fontanum</i> | Common Mouse-ear |
| <i>Dianthus armeria</i> | Deptford Pink |
| Polygonaceae (Buckwheat Family) | |
| <i>Polygonum cuspidatum</i> | Japanese Bamboo |
| Clusiaceae (Mangosteen Family) | |
| <i>Hypericum perforatum</i> | Common St. John's-wort |
| Salicaceae (Willow Family) | |
| <i>Populus deltoides</i> | Eastern Cottonwood |
| <i>Populus tremuloides</i> | Quaking Aspen |
| <i>Salix nigra</i> | Black Willow |
| Brassicaceae (Mustard Family) | |
| <i>Alliaria petiolata</i> | Garlic Mustard |
| <i>Brassica nigra</i> | Black Mustard |
| <i>Hesperis matronalis</i> | Dame's-rocket |
| <i>Lepidium campestre</i> | Cow-cress |
| Rosaceae (Rose Family) | |
| <i>Fragaria virginiana</i> | Wild Strawberry |
| <i>Potentilla recta</i> | Sulfer Cinquefoil |
| Fabaceae (Bean Family) | |
| <i>Lotus corniculata</i> | Bird's-foot Trefoil |
| <i>Medicago lupulina</i> | Black Medic |
| <i>Melilotus officinalis</i> | Yellow Sweet-clover |
| <i>Robinia pseudo-acacia</i> | Black Locust |
| Lythraceae (Loosestrife Family) | |
| <i>Lythrum salicaria</i> | Purple Loosestrife |
| Onagraceae (Evening-primrose Family) | |
| <i>Circaea lutetiana</i> | Enchanter's Nightshade |

Cornaceae (Dogwood Family)

Cornus amomum Silky Dogwood

Rhamnaceae (Buckthorn Family)

Rhamnus cathartica Buckthorn

Vitaceae (Grape Family)

Parthenocissus quinquefolia Virginia Creeper
Vitis aestivalis Summer Grape
Vitis riparia Riverbank Grape

Aceraceae (Maple Family)

Acer negundo Box-elder

Anacardiaceae (Sumac Family)

Rhus hirta Staghorn Sumac

Balsaminaceae (Touch-me-not Family)

Impatiens capensis Spotted Jewelweed

Asclepiadaceae (Milkweed Family)

Cynanchum louiseae Black Swallow-wort

Solanaceae (Nightshade Family)

Solanum dulcamara Trailing Nightshade

Convolvulaceae (Morning-glory Family)

Ipomoea sp. Morning-glory

Cuscutaceae (Dodder Family)

Cuscuta gronovii Common Dodder

Boraginaceae (Borage Family)

Myosotis verna Spring Forget-me-not

Verbenaceae (Verbena Family)

Verbena urticifolia White Vervain

Lamiaceae (Mint Family)

Glechoma hederacea Ground-ivy
Lamium album Snowflake
Leonurus cardiaca Motherwort
Nepeta cataria Catnip
Teucrium canadense Wild Germander

Scrophulariaceae (Figwort Family)

| | |
|----------------------------|-----------------|
| <i>Linaria vulgaris</i> | Butter-and-eggs |
| <i>Penstemon digitalis</i> | False-foxglove |
| <i>Verbascum blattaria</i> | Moth-mullein |
| <i>Verbascum thapsus</i> | Mullein |
| <i>Veronica arvensis</i> | Corn Speedwell |

Rubiaceae (Madder Family)

| | |
|-------------------------|----------------|
| <i>Galium asprellum</i> | Rough Bedstraw |
|-------------------------|----------------|

Caprifoliaceae (Honeysuckle Family)

| | |
|--------------------------|-------------|
| <i>Lonicera tatarica</i> | Honeysuckle |
|--------------------------|-------------|

Asteraceae (Aster Family)

| | |
|-----------------------------|----------------|
| <i>Achillea millefolium</i> | Common Yarrow |
| <i>Cirsium arvense</i> | Canada Thistle |

Asteraceae (Aster Family) (cont.)

| | |
|-----------------------------|------------------|
| <i>Cirsium vulgare</i> | Bull-thistle |
| <i>Eupatorium rugosum</i> | White Snakeroot |
| <i>Leucanthemum vulgare</i> | Ox-eye Daisy |
| <i>Solidago altissima</i> | Tall Goldenrod |
| <i>Solidago canadensis</i> | Canada Goldenrod |
| <i>Solidago gigantea</i> | Late Goldenrod |
| <i>Vernonia gigantea</i> | Tall Ironweed |

Lemnaceae (Lemna Family)

| | |
|--------------------|----------|
| <i>Lemna minor</i> | Duckweed |
|--------------------|----------|

Poaceae (Grass Family)

| | |
|-----------------------------|--------------------|
| <i>Bromus inermis</i> | Smooth Brome |
| <i>Bromus secalinus</i> | Cheat |
| <i>Panicum capillare</i> | Witchgrass |
| <i>Phragmites australis</i> | Common Reed |
| <i>Poa compressa</i> | Canada Bluegrass |
| <i>Poa pratensis</i> | Kentucky Bluegrass |
| <i>Setaria viridis</i> | Green Foxtail |

Table 3. Wildlife Survey - Crouse Hinds North Landfill

Mammals

Sciuridae (Squirrel Family)

Marmota monax Woodchuck

Cricetidae (Mice, Rat, Vole Family)

Microtus pennsylvanicus Meadow Vole

Cervidae (Deer Family)

Odocoileus virginianus Whitetail Deer

Birds

Ardeidae (Heron and Bittern Family)

Ardea herodias Great Blue Heron (fly-over)

Laridae (Gull Family)

Larus delawarensis Ring-billed Gull (fly-over)

Columbidae (Pigeon and Dove Family)

Zenaida macroura Mourning Dove

Picidae (Woodpecker Family)

Colaptes auratus Northern Flicker
Picoides pubescens Downy Woodpecker

Tyrannidae (Tyrant Flycatcher Family)

Empidonax minimus Least Flycatcher

Vireonidae (Vireo Family)

Vireo gilvus Warbling Vireo

Corvidae (Crow and Jay Family)

Corvus brachyrhynchos American Crow

Paridae (Chickadee and Titmouse Family)

Poecile atricapillus Black-capped Chickadee

Troglodytidae (Wren Family)

Troglodytes aedon House Wren

Turdidae (Thrush Family)

Turdus migratorius American Robin

Mimidae (Mockingbird and Thrasher Family)

Dumetella carolinensis Gray Catbird

Birds (cont.)

Bombycillidae (Waxwing Family)

| | |
|----------------------------|---------------|
| <i>Bombycilla cedrorum</i> | Cedar Waxwing |
|----------------------------|---------------|

Parulidae (Wood-warbler Family)

| | |
|----------------------------|---------------------|
| <i>Dendroica petechia</i> | Yellow Warbler |
| <i>Geothlypis trichas</i> | Common Yellowthroat |
| <i>Setophaga ruticilla</i> | American Redstart |

Emberizidae (Sparrow Family)

| | |
|----------------------------|---------------|
| <i>Melospiza melodia</i> | Song Sparrow |
| <i>Melospiza georgiana</i> | Swamp Sparrow |

Cardinalidae (Cardinal Family)

| | |
|------------------------------|-------------------|
| <i>Cardinalis cardinalis</i> | Northern Cardinal |
|------------------------------|-------------------|

Icteridae (Blackbird Family)

| | |
|----------------------------|----------------------|
| <i>Agelaius phoeniceus</i> | Red-winged Blackbird |
| <i>Icterus galbula</i> | Baltimore Oriole |
| <i>Quiscalus quiscula</i> | Common Grackle |

Fringillidae (Finch Family)

| | |
|--------------------------|--------------------|
| <i>Carduelis tristis</i> | American Goldfinch |
|--------------------------|--------------------|

Reptiles and Amphibians

Chelydridae (Snapping Turtle Family)

| | |
|----------------------------|-----------------|
| <i>Chelydra serpentina</i> | Snapping Turtle |
|----------------------------|-----------------|

Ranidae (True Frog Family)

| | |
|--------------------------------|------------|
| <i>Rana clamitans melanota</i> | Green Frog |
|--------------------------------|------------|

Table 4. Wildlife Survey - Crouse Hinds South Landfill

Mammals

Procyonidae (Raccoon Family)

Procyon lotor Raccoon

Sciuridae (Squirrel Family)

Marmota monax Woodchuck
Sciurus carolinensis Eastern Gray Squirrel

Cervidae (Deer Family)

Odocoileus virginianus Whitetail Deer

Birds

Ardeidae (Heron and Bittern Family)

*Butorides virescens** Green Heron (fly-over)

Picidae (Woodpecker Family)

Colaptes auratus Northern Flicker
Picoides pubescens Downy Woodpecker

Tyrannidae (Flycatcher Family)

Empidonax traillii Willow Flycatcher

Vireonidae (Vireo Family)

Vireo gilvus Warbling Vireo

Corvidae (Crow and Jay Family)

Corvus brachyrhynchos American Crow

Hirundinidae (Swallow Family)

Tachycineta bicolor Tree Swallow

Paridae (Chickadee and Titmouse Family)

Poecile atricapillus Black-capped Chickadee

Troglodytidae (Wren Family)

Troglodytes aedon House Wren

Turdidae (Thrush Family)

Hylocichla mustelina Wood Thrush
Turdus migratorius American Robin

Mimidae (Mockingbird and Thrasher Family)

Dumetella carolinensis Gray Catbird

Bombycillidae (Waxwing Family)

Bombycilla cedrorum Cedar Waxwing

Birds (cont.)

Parulidae (Wood-warbler Family)

Geothypis trichas

Common Yellowthroat

Setophaga ruticilla

American Redstart

Cardinalidae (Cardinal Family)

Cardinalis cardinalis

Northern Cardinal

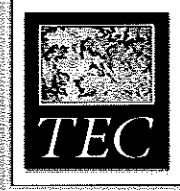
Fringillidae (Finch Family)

Carduelis tristis

American Goldfinch

ATTACHMENT 5

WETLAND DELINEATION REPORT



Cooper Crouse-Hinds Landfill

Wetland Delineation Report

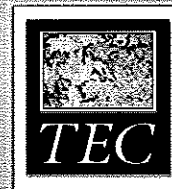
February 2006

Prepared For:

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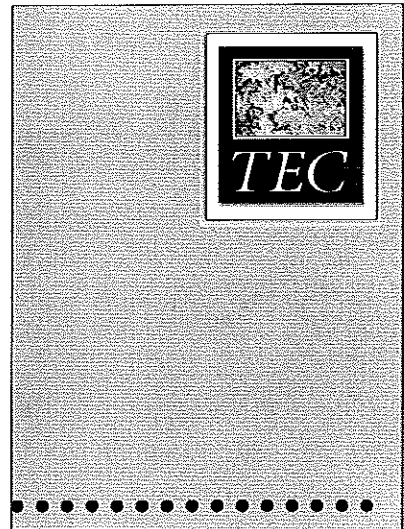
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| Agency Resource Information | 4 |
| Methodology | 7 |
| Results of the Delineation | 8 |
| Conclusions | 14 |
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Appendices

- Appendix A - Wetland Maps
- Appendix B - Data Sheets

Executive Summary



Delta Environmental Consultants, on behalf of Cooper Crouse-Hinds, contracted The Environmental Collaborative (TEC) to delineate and describe the waters of the United States on a 21-acre parcel of land in the Town of Salina and a 15-acre parcel of land in the City of Syracuse, Onondaga County, New York. The waters of the United States, as defined by the U.S. Army Corps of Engineers (Corps), include all lakes, ponds, rivers, streams (intermittent and perennial), mudflats, sandflats, and wetlands (except certain isolated wetlands).

Along with identifying on-site waters of the United States, TEC was requested to complete a wetland delineation report that will allow the Corps to determine the extent of their jurisdiction over the project area pursuant to Section 404 of the Clean Water Act. It will also allow the NYSDEC to determine the extent of their jurisdiction over the

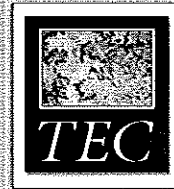
project area pursuant to Section 401 of the Clean Water Act.

Prior to initiating a field investigation of the site, a review of available information pertaining to existing vegetation, soils, and hydrology were conducted. Sources of information included the NYSDOT 7.5 minute topographic maps (Syracuse West quadrangle), the National Wetland Inventory maps, the NYSDEC Freshwater Wetlands maps, the Onondaga County Soil Survey, and a 2003 aerial photograph.

Methods specified by the 1987 *Corps of Engineers Wetlands Delineation Manual* and *Classification of Wetlands and Deepwater Habitats of the United States* (Cowardin 1979) were used to perform a field delineation on the subject property. The purpose of the delineation was to verify and supplement the information obtained during preliminary data review. A modified routine sam-

pling procedure, following the procedure for areas greater than five acres in size, was chosen for the field investigation. Wetland determinations at sampling locations were based on three criteria (vegetation, soils, and hydrology).

Based on a field investigation and delineation, three wetlands, two streams, and one ditch that meet the criteria of federal jurisdictional waters of the United States were identified. The on-site portions of the wetlands total 6.53 acres and the streams and ditch total 3,575 linear feet. Although the wetland and streams meet the specified criteria of federal jurisdictional wetlands and waters of the United States, according to a 1980 Memorandum of Agreement between the Corps and U.S. Environmental Protection Agency (re-executed in 1989), it is the ultimate responsibility of the Corps to determine the full extent of their jurisdiction over all waters of the U.S.



Introduction

At the request of Delta Environmental Consultants, on behalf of Cooper Crouse-Hinds, TEC conducted a wetland delineation on a 21-acre parcel of land in the Town of Salina and a 15-acre parcel of land in the City of Syracuse, Onondaga County, New York. The purpose was to delineate and describe the wetland and other water resources that occur within the limits of the project site. This report constitutes a description of the

wetlands and streams that occur on the property and the methodology used to determine the boundaries of these areas. The report provides the Corps and NYSDEC with the requisite information about the site such that all water resources and related permitting requirements can be identified. In addition, it will support any subsequent permit applications submitted to the Corps (Buffalo District) and NYSDEC (Region 7), if necessary.

Site Description

The subject site is located northwest of the operating Crouse-Hinds Company manufacturing facility, which is located at the intersection of Wolf and Seventh North Streets (Latitude 043° 04' 28" N, Longitude 076° 10' 13" W), in the Town of Salina and the City of Syracuse, Onondaga County, New York (Figure 1). The subject site (hereinafter the "site") consists of two adjacent inactive landfills (referred to as the North Landfill and South Landfill). According to available information, the North Landfill is approximately 21 acres in size and the South Landfill is approximately 15 acres in size.

The North Landfill is located in the Town of Salina and the South Landfill is located in the City of Syracuse. The site is located in an area of mixed usage including light industrial/manufacturing, commercial, and residential. Seventh North Street is oriented east-west and separates the two landfills that comprise the site. Undeveloped woods and wetlands border the site to the north. Railroad tracks followed by the Cooper Crouse-Hinds facility, Wolf Street, and residential development border the site to the east. Undeveloped woods, wetlands, and mixed commercial development border the site to the

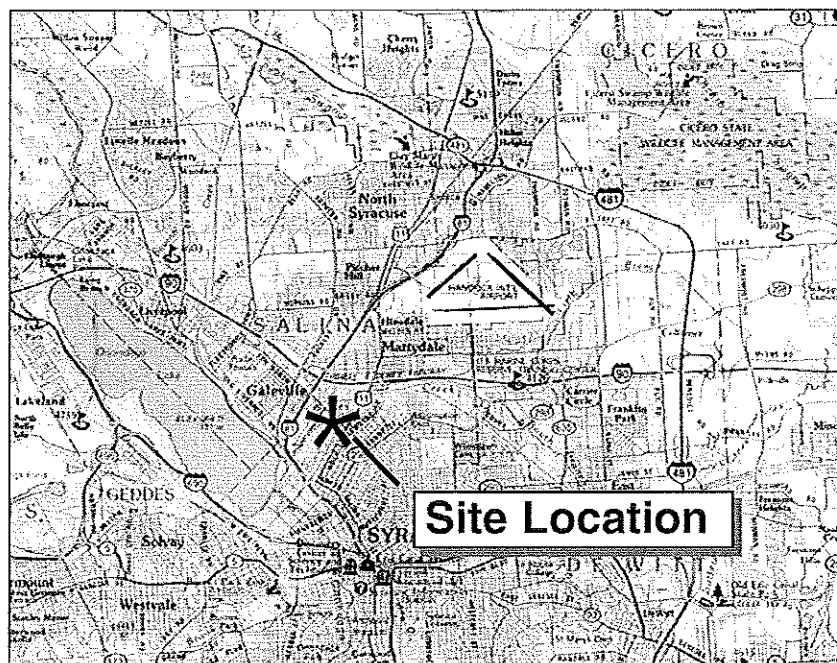


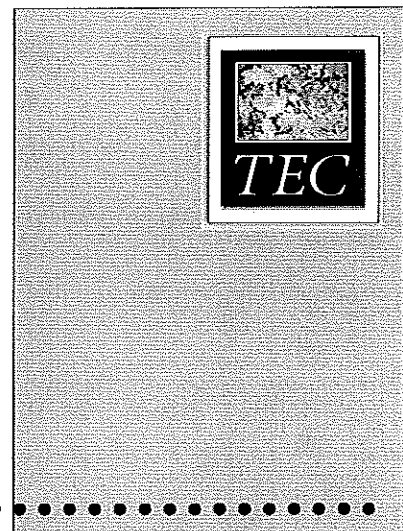
Figure 1. Location of the site in the Town of Salina and the City of Syracuse, Onondaga County, NY.

south. Wetlands followed by Ley Creek, mixed commercial development, the Ley Creek waste transfer station, and I-81 are present to the west

of the site. The northwest boundary of the North Landfill is separated from Ley Creek by property reportedly own-

ed by Plaza East, LLC. The northwest boundary of the South Landfill is adjacent to Ley Creek.

Agency Resource Information



Prior to initiating a field survey of the project site, existing environmental data were collected. The sources of this data include the following:

- NYSDOT 7.5-minute topographic maps (Syracuse West, 1990)
- National Wetland Inventory map (aerial photography 1981)
- Freshwater Wetlands Map of the NYSDEC (1986)
- U.S. Department of Agriculture, Soil Conservation Service, *Soil Survey of Onondaga County, New York*, 1977)
- NYS Interactive Mapping Gateway aerial photograph (2003)

This information provides an indication of the probable occurrence and general location of water resources under federal and state regulation within the limits of the project site.

NYSDOT Map

This map indicates a relatively flat to slightly sloping landscape. There are no streams or wetlands shown to occur within the project area although Ley Creek is shown to border the site on the west (Figure 2).

NWI Map

This map shows the presence of a wetland on the west side of the North Landfill (Figure 3 on page 5). This wetland is classified as a palustrine, forested/scrub-shrub, broad-leaved deciduous wetland that is seasonally saturated (PFO/SS1E).

NYSDEC Map

This map does not show the presence of any wetlands or streams within the project area (Figure 4 on page 5). However, Ley Creek is shown to occur along the west side of both landfills.

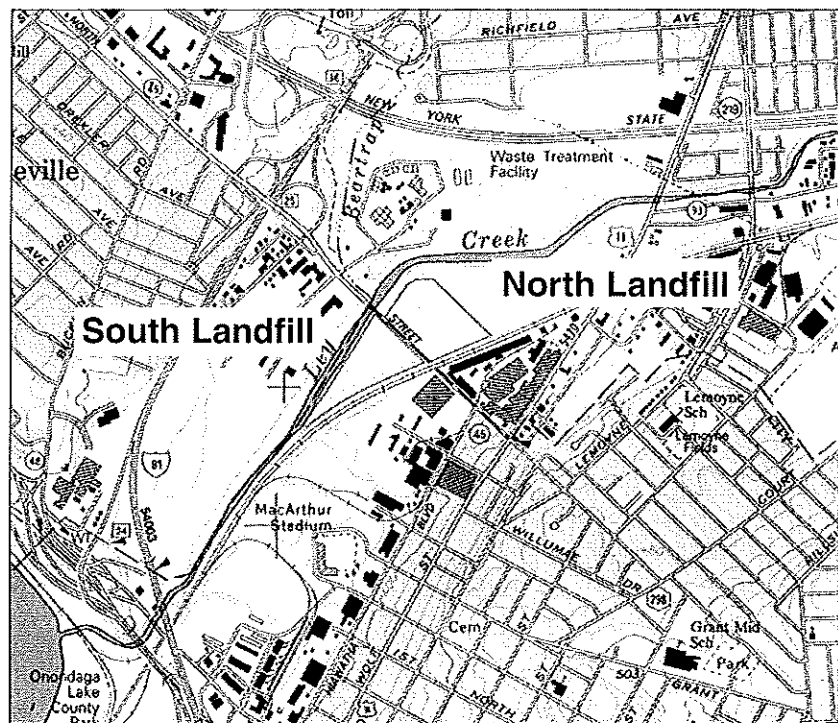


Figure 2. North Landfill and South Landfill shown on the NYSDOT 7.5-minute topographic map (Syracuse West quadrangle).

Onondaga County Soil Survey

The soils on the site (Figure 5 on page 6) are mapped by the U.S. Natural Resource Conservation Service (NRCS - formerly the Soil Conservation Service) (USDA SCS, 1977, sheet no. 22) as Carlisle muck (Ce) and Made Land. Carlisle muck is classified as a hydric soil type.

Carlisle (Ce)

The soils in the Carlisle series consist of deep, very poorly drained muck soils that formed in woody organic deposits. These soils occur in bogs and have more than 51 inches of organic material over a mineral substratum of calcareous marl, or sand, silt, clay, or a combination of the three. In Carlisle soils, water is at or ponded on the surface during the wetter parts of the year. These soils are shown on the soil map as occurring in the northern and eastern portions of the North Landfill.

Aerial Photograph

The 2003 aerial photograph (Figure 6 on page 6) shows that the subject area is undeveloped in terms of buildings, roads, parking lots, etc. Areas that appear to be wetland and/or open water can also be seen on this photograph in the western and eastern portions of the North Landfill and along the eastern and southern portions of the South Landfill.

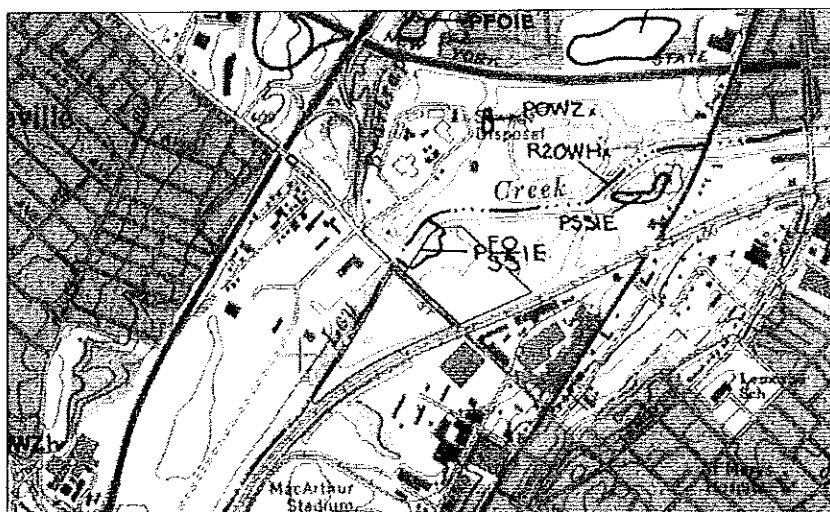


Figure 3. North Landfill and South Landfill shown on the NWT map.

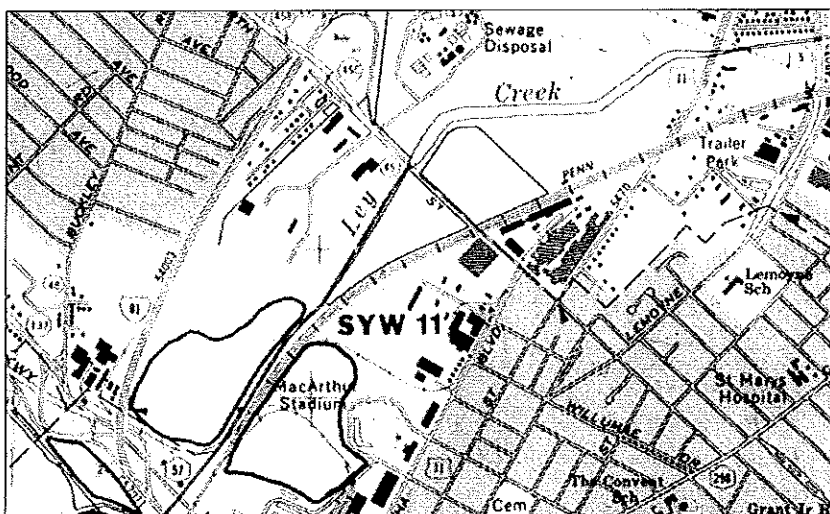


Figure 4. North Landfill and South Landfill shown on the NYSDEC Freshwater Wetland map.

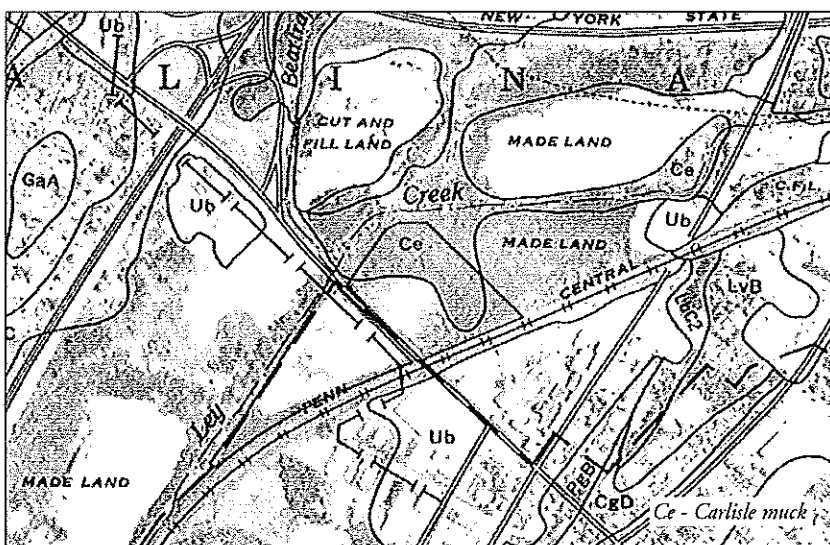


Figure 5. North Landfill and South Landfill shown on the Onondaga County soils map.

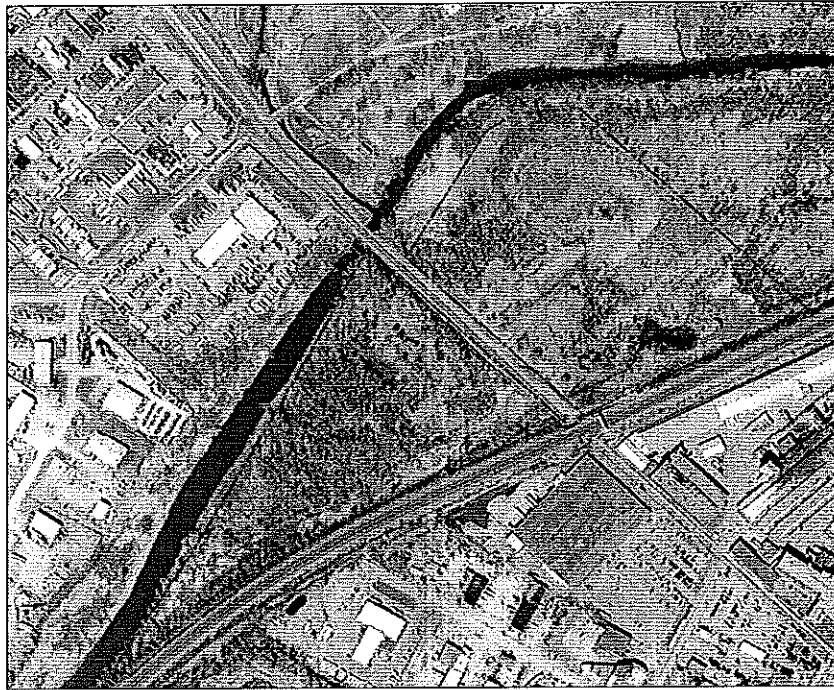
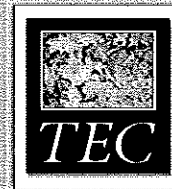


Figure 6. North Landfill and South Landfill shown on a 2003 aerial photograph.



Methodology

The wetland delineation was performed on October 20, 2005 by Barbara C. Reuter, Botanist and Wetland Specialist of TEC. The boundaries of the wetland and streams were delineated according to the methodology put forth in the 1987 *Corps of Engineers Wetlands Delineation Manual* (hereafter referred to as the 1987 Corps Manual) and *Classification of Wetlands and Deepwater Habitats of the United States* (Cowardin, L.M., et.al., 1979). Figure 7 (Appendix A) shows the extent of the wetlands and other water resources in the subject area.

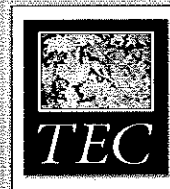
Boundaries of the waters of the United States that occur within the project area were flagged using surveyor's ribbon. The wetland boundaries were surveyed by Mr. George Venditti, Jr. Observations of vegetation, soils, and hydrologic conditions were used for the placement of the flagging. Data on vegetation, soils, and hydrology were collected in 8 pairs of sampling plots along the boundaries of the wetland/upland, as indicated in Figure 8 (Appendix A). Field/summary data sheets for these plots are presented in Appendix B. The locations of representative photographs showing the wetlands, streams, ditch, and upland areas are indicated on Figure 9 in Appendix A.

Vegetation data collection focused on dominant plant species in four categories: trees (>3" DBH), saplings and shrubs (<3.0" DBH and >3.2' tall), woody vines, and herbs (<3.2' tall). Dominance was measured by visually estimating those species having the largest relative basal area (trees), greatest height (saplings/shrubs), greatest number of stems (woody vines), and greatest percentage of areal coverage (herbs) by species. The species were rank ordered for each category by decreasing value of percent cover. The dominant species for each category are defined as those plants with the highest ranking which, when cumulatively totaled, immediately exceed 50 percent of the total dominance measure for that category, plus any additional plant species comprising 20 percent or more of the total dominance measure for the category. The indicator status for each species was determined by reference to the *National List of Plant Species That Occur in Wetlands: Northeast (Region 1)* (Reed 1988), or by reference to species habitat descriptions from various botanical sources for those species not on the national list. Scientific nomenclature for plant species follows that in *Revised Checklist of New York State*

Plants (Mitchell and Tucker 1997). A sampling plot was determined to have wetland vegetation if 50 percent or more of all dominant plant species are of facultative (FAC), facultative-wetland (FACW), or obligate (OBL) indicator status, as described in the 1987 Corps Manual.

Soils information was collected using a combination Dutch soil auger. Information concerning soil series, subgroup, drainage classification, texture, and matrix and mottle color was obtained at each sampling location.

Hydrologic characteristics (inundation and soil saturation) were visually assessed to the depth of the corresponding soil sample. The 1987 Manual lists the following indicators as evidence of hydrology: 1) visual observation of inundation, 2) visual observation of soil saturation, 3) watermarks, 4) drift lines, 5) sediment deposits, 6) absence of leaf litter, 7) encrusted detritus, and 8) drainage patterns. Based on professional judgment, the following additional indicators were used as evidence of hydrology: 1) water-stained leaves and 2) oxidized root zones.



Results of the Delineation

The wetland delineation revealed that portions of three wetlands, two streams, and one ditch occur within the limits of the property (refer to Figure 7 in Appendix A). Data on vegetation, soils, and hydrology supporting the boundaries of the wetlands and streams are presented in Appendix B.

GENERAL SUMMARY

Two areas of wetland occur within the limits of the North Landfill and one area of wetland occurs within the limits of the South Landfill. In addition, one stream flows through the eastern side of the North Landfill and another stream flows through the east side of the South Landfill. Finally, a ditch occurs along the northern boundary of the South Landfill. The acreages and/

or length of these water resources is presented below in Table 1.

The boundaries of these wetlands, streams, and ditch are quite obvious based on changes in topography as well as differences in the vegetation, soils, and hydrology. The following is a discussion on the vegetation, soils, and hydrology for the water resources that

were identified in the subject area along with a description of the surrounding uplands.

Wetland A

The on-site portion of Wetland A, which occurs along the southeastern side of the North Landfill, measures 2.63 acres. This wetland is an emergent wetland with a small component of open water and a number of trees and shrubs around the perimeter.

| Wetland/Stream | Size/Length |
|----------------|-------------|
| Wetland A | 2.63 ac. |
| Wetland B | 2.61 ac. |
| Wetland C | 1.29 ac. |
| Stream A | 675 l.f. |
| Stream B | 1,825 l.f. |
| Ditch | 1,075 l.f. |

Table 1. A list of the wetland, streams, and ditch delineated on the property and their total size/length in acres/linear feet.



Figure 10. Portions of Wetland A are dominated by common reed (2005).



Figure 11. The northern edge of Wetland A. The boundary occurs at the base of the fill (2005).

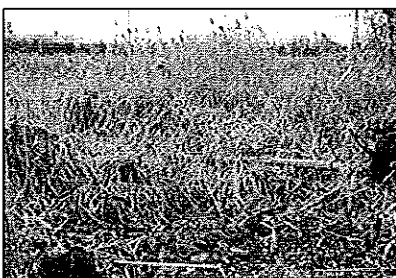


Figure 12. Another view of Wetland A looking to the south (2005).



Figure 13. Standing water within Wetland A is obvious at the edge of the wetland (2005).



Figure 14. An area of open water is present within the southwestern portion of Wetland A (2005).

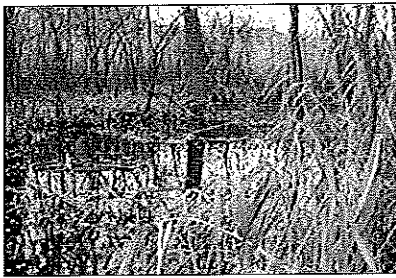


Figure 15. A stream flows out of Wetland A, crosses under Seventh North Street, and flows through a manmade ditch to Ley Creek (2005).

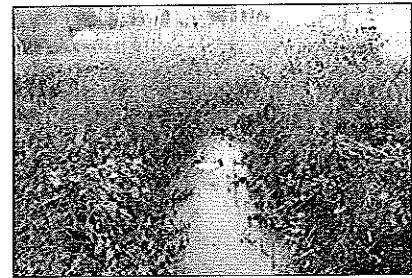


Figure 16. The ditch on the north side of the South Landfill. This ditch carries water to Ley Creek from off-site as well as the North Landfill (2005).

Vegetation

The dominant species in Wetland A is common reed (*Phragmites australis*), although narrow-leaved cattail (*Typha angustifolia*) and purple loosestrife (*Lythrum salicaria*) occur in several areas. Black willow (*Salix nigra*), silky dogwood (*Cornus amomum*), shrub willow (*Salix* sp.), and sensitive fern (*Onoclea sensibilis*) are found around the perimeter of this wetland. Duckweed (*Lemna minor*) was noted in areas with standing water.

Soils

The soils in the wetland have been mapped as Carlisle muck and Made Land. However, the soils noted during the delineation consist of very dark gray (10YR3/1) silty clay loam with a component of muck to a depth of greater than 12 inches.

Hydrology

At the time of the delineation, the soils in the wetland were saturated and there was standing water in places up to 8 inches deep. In addition, water stained

leaves were noted in the wetland which is a secondary indicator of a wetland hydrologic regime.

Stream A and Ditch

A stream flows out of the western portion of Wetland A, turns to the northwest where it flows parallel to Seventh North Street, and then flows under Seventh North Street to the South Landfill via a culvert. The length of the stream in the North Landfill measures 675 linear feet. After the stream flows under Seventh North Street, it flows through a manmade ditch which parallels the street and eventually joins Ley Creek. Water from off-site flows onto the property (South Landfill) in a ditch which joins the ditch just described. The entire length of the ditch on the South Landfill property is 1,075 linear feet.

Vegetation

There is no wetland vegetation within this stream, although purple loosestrife and common reed are present in the portion of the stream that parallels Seventh North Street. The vegetation with-

in the stream where it becomes a roadside ditch in the South Landfill consists of purple loosestrife, common reed, and various asters (*Aster* spp.) and goldenrods (*Solidago* spp.).

Soils

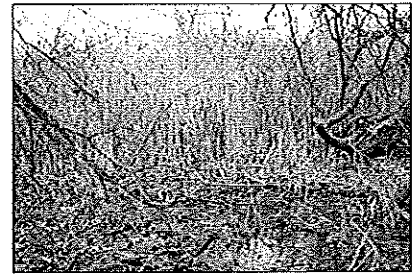
The soils in the stream and ditch have been mapped as Made Land which appears to be the case although the soils have taken on some of the characteristics of Fluvaquents. These soils consist of alluvial soils and recent deposits of soil materials carried downstream.

Hydrology

At the time of the delineation, the stream and ditch contained up to 6 inches of flowing water.

Wetland B

Wetland B, the on-site portion of which measures 2.61 acres, occurs in the northwestern portion of the North Landfill. This wetland occurs immediately adjacent to and is within the floodplain of Ley Creek. It is bordered on the upland side by the landfill.



Figures 17 through 19. Three views of Wetland B along Ley Creek (2005). Most of the wetland did not have any standing water except for a small area at the middle of the delineation line, as seen in Figure 19. However, the soils were saturated throughout the wetland.

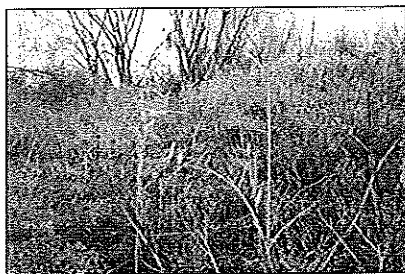


Figure 20. The edge of Wetland B adjacent to the North Landfill (2005).

Vegetation

This dominant species in the northern portion of this wetland are swamp buttercup (*Ranunculus septentrionalis*) and garlic mustard (*Alliaria petiolata*) while the dominant species within the southern portion of the wetland is common reed. Black willow is scattered throughout the wetland while Eastern cottonwood (*Populus deltoides*) occurs around the edge in the southern portion of the wetland.

Soils

The soils in the wetland have been mapped as Made Land which appears to be the case although the soils have taken on some of the characteristics of Fluvaquents, as described previously.

Hydrology

At the time of the delineation, the soils in the wetland were saturated to various depths ranging from the surface to 8 inches below the surface. There was no standing water anywhere in the wetland except for a small area toward the middle of the delineation line between the wetland and the upland, as seen in Figure 19 on page 9.

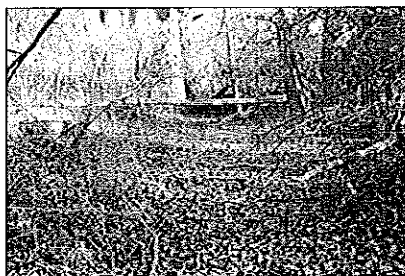


Figure 22. Stream B along the southeastern property boundary (2005).



Figure 21. Ley Creek as seen from the edge of Wetland B (2005).

Stream B

Stream B, which measures 1,825 linear feet, consists of a broad, well-defined streambed that appears to pick up and carry flow from the previously described ditch during heavy precipitation events. The start of this stream is physically connected to the ditch, but is higher in elevation and therefore appears to only convey water when there is an overflow situation in the ditch. The stream channel runs parallel to the Penn Central Railroad and then turns to follow the northern edge of Wetland B where it eventually joins Ley Creek. The boundary of the stream is quite obvious based on changes in elevation.

Vegetation

There was no vegetation within the stream where it parallels the railroad embankment. However, common reed is the dominant species where the stream turns away from the railroad bed and flows through Wetland C.

Soils

The soils in the wetland have been mapped as Made Land which appears

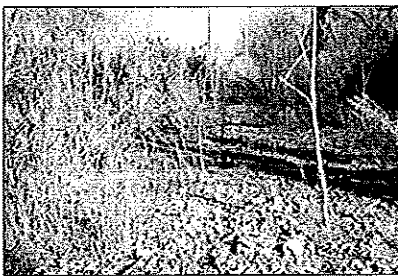


Figure 23. The southern portion of the stream along the railroad bed (2005).

to be the case although the soils have taken on some of the characteristics of Fluvaquents, as described previously.

Hydrology

At the time of the delineation, the soils in the stream where it parallels the railroad embankment were dry. However, the soils in the stream were saturated to the surface and there was surface water present (up to 4 inches) where the stream joins Wetland C.

Wetland C

Wetland C occurs in the southwestern part of the South Landfill, the on-site portion of which measures 1.29 acres. This is an emergent wetland with no open water areas.

Vegetation

The dominant species in these areas is common reed, although narrow-leaved cattail occurs in a few patches.

Soils

The soils in the wetland have been mapped as Carlisle muck and Made Land. However, the soils noted during the delineation consist of very dark gray (10YR3/1) silty clay loam with a component of muck to a depth of greater than 12 inches.

Hydrology

At the time of the delineation, the soils in the wetland were saturated and there was standing water in places up to 4 inches deep. In addition, water stained leaves were noted in the wetland which



Figure 24. The southern boundary of Wetland C (2005).



Figure 25. The northern boundary of Wetland C (2005).



Figure 26. A view of Wetland C from north to south (2005).

is a secondary indicator of a wetland hydrologic regime.

Upland Areas

There are a number of upland vegetation community types on the site, including old field, shrub upland, and deciduous forest.

Vegetation

The following is a description of each of the upland community types with a list of the most common species.

Old Field

There are several areas of old field on the site. The overall character of the old field areas tends to be the same; that is, areas dominated by broad-leaved flowering plants (forbs) and grasses. There are many species that are found throughout the old fields within the study area although the species composition and distribution varies from area to area, often times based on past use or current soil conditions. The most common species found on the North Landfill include orchard grass (*Dactylis glomerata*), Canada goldenrod (*Solidago canadensis*), Canada bluegrass

(*Poa compressa*), Kentucky bluegrass (*Poa pratensis*), bushy knapweed (*Centaurea maculosa*), spring forget-me-not (*Myosotis verna*), deptford pink (*Dianthus armeria*), white sweet-clover (*Melilotus alba*), timothy (*Phleum pratense*), ragweed (*Ambrosia artemisiifolia*), English plantain (*Plantago lanceolata*), rough bedstraw (*Galium asprellum*), common yarrow (*Achillea millefolium*), ox-eye daisy (*Leucanthemum vulgare*), and bird's-foot trefoil (*Lotus corniculata*).

Although common reed is not considered an old field species, it has spread into some of the old field areas where it has formed dense stands. In addition, a number of shrub and sapling tree species are present within the old field areas, although they collectively have less than 50 percent cover within this community type. These species include staghorn sumac (*Rhus typhina*), buckthorn (*Rhamnus cathartica*), honeysuckle (*Lonicera tatarica*), and Eastern cottonwood.

The most common species found on the South Landfill include Canada goldenrod, Kentucky bluegrass, Canada bluegrass, dame's-rocket (*Hesperis matronalis*), deptford pink, spring for-

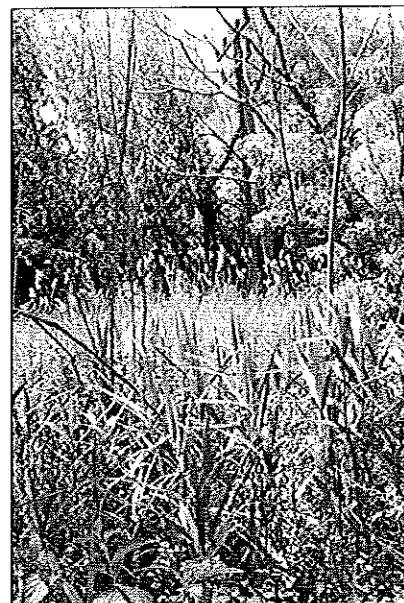


Figure 27. A photograph of Wetland C taken in 2004.

get-me-not, common yarrow, ox-eye daisy, bird's-foot trefoil, common milkweed (*Asclepias syriaca*), and tall ironweed (*Vernonia altissima*). It should be noted that an access road occurs generally from north to south through the forested areas in the South Landfill, and old field vegetation has become established along this road. As with the old field areas in the North Landfill, com-



Figure 30. One of the areas of old field within the South Landfill (2004).



Figure 28. Ley Creek as seen from the edge of the South Landfill (2004).



Figure 29. Another view of Ley Creek as seen from the edge of the South Landfill (2004).

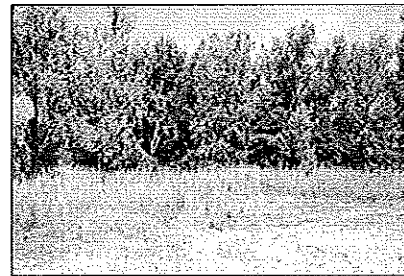


Figure 31. One of the areas of old field within the North Landfill (2004).



Figure 32. A photograph of the old field in the northern portion of the North Landfill (2004).

mon reed has spread into some of the old field areas in the South Landfill where it has formed dense stands.

Shrub Upland

Small areas of shrub upland occur within the study area and tend to grade into old field on the one side and deciduous forest on the other side, with the boundaries between the community types rather indistinguishable. As with the old field community type, shrub uplands occur on sites that were once cleared for farming, logging, development, etc. and then abandoned. This particular vegetation community type has at least 50 percent shrub cover, although the density of shrubs varies

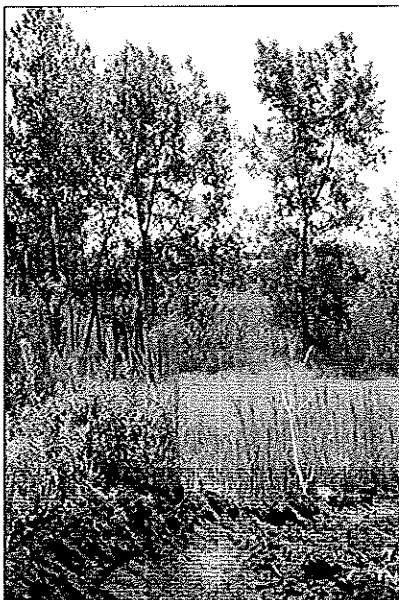


Figure 33. An area of old field in the North Landfill looking out over Wetland A (2004).

between the different areas. The most common species noted within the project study area include buckthorn and honeysuckle.

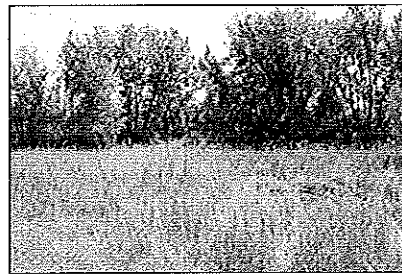
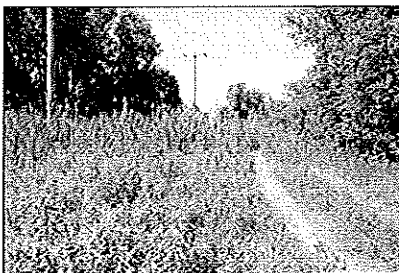


Figure 34. Old field is a prevalent vegetation type within the North Landfill (2004).

Deciduous Forest

The forests on site are dominated by light-requiring, wind-dispersed species that are well-adapted to establishment following disturbance, and they tend to range in age and structure from early successional to late successional (10 to 40 years old). A characteristic feature of successional forests is the lack of reproduction of the canopy species. Most of the tree seedlings and saplings in successional forests are species that are more shade-tolerant than the canopy species. Shrub layer and ground layer plants may include species characteristic of successional old fields and/or species that occurred on or near the site prior to disturbance. These forest ar-



Figures 35 and 36. Small patches of old field vegetation are common in the northern portion of the South Landfill (2004).

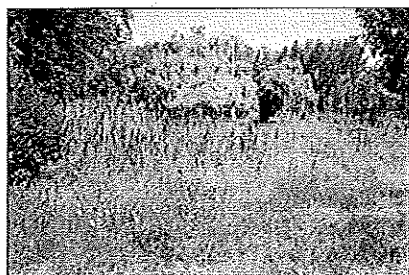


Figure 37. Shrub upland and forested areas in the South Landfill can be seen in the background and sides of this photograph (2004).



Figure 38. Dirt roads traverse the site in the South Landfill and cut through areas of shrub upland (2004).

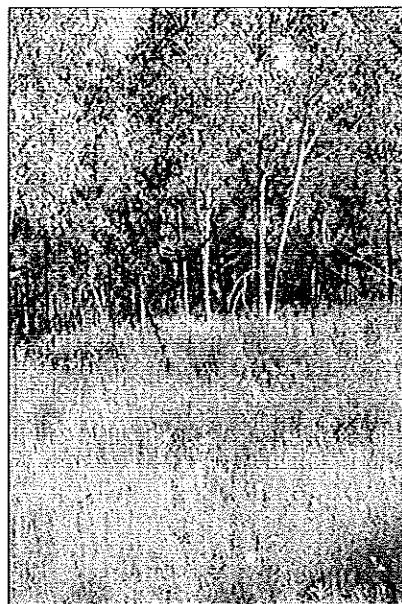


Figure 39. Successional hardwood forest in the northern part of the North Landfill (2004).

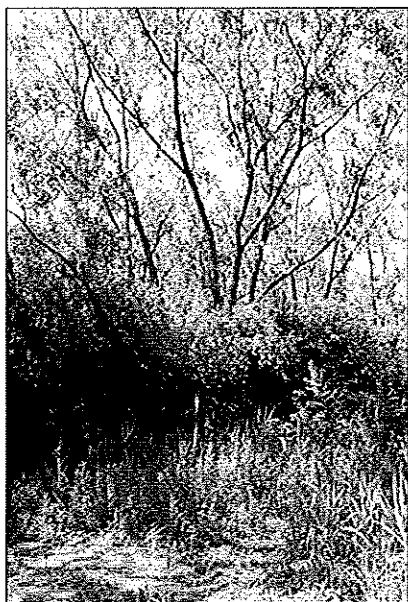


Figure 40. Successional northern hardwood forest in the western portion of the North Landfill (2004).

areas tend to be rather dense in the understory and difficult to walk through.

The deciduous forest areas within the North and South Landfills are dominated by Eastern cottonwood, with



Figure 41. Successional northern hardwood forest in the western portion of the South Landfill (2004).

black willow and box-elder (*Acer negundo*) being fairly common in places. Buckthorn and honeysuckle are common understory shrubs throughout these forested areas, with garlic mustard being a common herbaceous species. Some of the early successional forested areas consist mostly of Eastern cottonwood saplings with an understory of yellow sweet-clover (*Melilotus officinalis*), white sweet-clover, ox-eye daisy, deptford pink, Canada and Kentucky bluegrass, bushy knapweed, and common St. John's-wort (*Hypericum perforatum*).



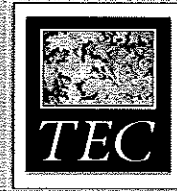
Figure 42. The root ball of a tree that has tipped over shows a small amount of soil interspersed with fill material (2005).

Soils

The soils in the upland areas are mapped by the NRCS as Made Land and this was confirmed during the wetland delineation. In fact, a photograph of the root mass of a tree that has tipped over shows the fill material that can be found throughout both landfill areas (Figure 42).

Hydrology

At the time of the delineation, the soils in the upland areas were dry and there were no primary or secondary indicators of wetland hydrology.



Conclusions

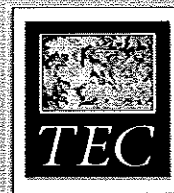
Review of agency and other pertinent information, along with a field investigation, were performed to determine the presence of water resources under federal jurisdiction on a 36-acre parcel of land located on the Cooper Crouse-Hinds landfill sites in the Town of Salina and City of Syracuse, Onondaga County, New York. Investigation of existing data indicated the possible presence of an area that might meet the three wetland criteria (wetland vegetation, hydric soils, and wetland hydrology) established by the Corps in the 1987 Manual. Based on the NYSDEC Freshwater Wetlands Map, there are no wetlands under the jurisdiction of the state. However, a forested/scrub-shrub wetland is shown

on the NWI map as occurring on the west side of the North Landfill adjacent to Ley Creek. In addition, the soil survey indicates an area of Carlisle muck in the North Landfill extending from Ley Creek to the Penn Central Railroad tracks on the opposite side of the property.

The field investigation confirmed the presence of three wetlands, two streams, and one ditch that meet the criteria of federal jurisdictional water resources. Wetlands A and C are dominated by common reed with small components of narrow-leaved cattail and purple loosestrife. Wetland C is within the floodplain of Ley Creek and has some patches of common reed although

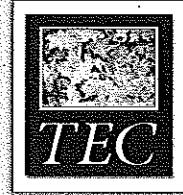
other wetland species are also present. A stream (Stream A) flows out of Wetland A, parallels North Seventh Street, and then flows under the street onto the South Landfill property where it continues to parallel the street until it joins Ley Creek. Another stream (Stream B) flows parallel to the Penn Central Railroad tracks and then turns to the west where it flows along the northern boundary of Wetland C and into Ley Creek.

The entire upland area within both sides of the property consists of landfill material that has become overgrown with old field, scrub-shrub upland, and successional hardwood forest vegetation community types.



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Appendix

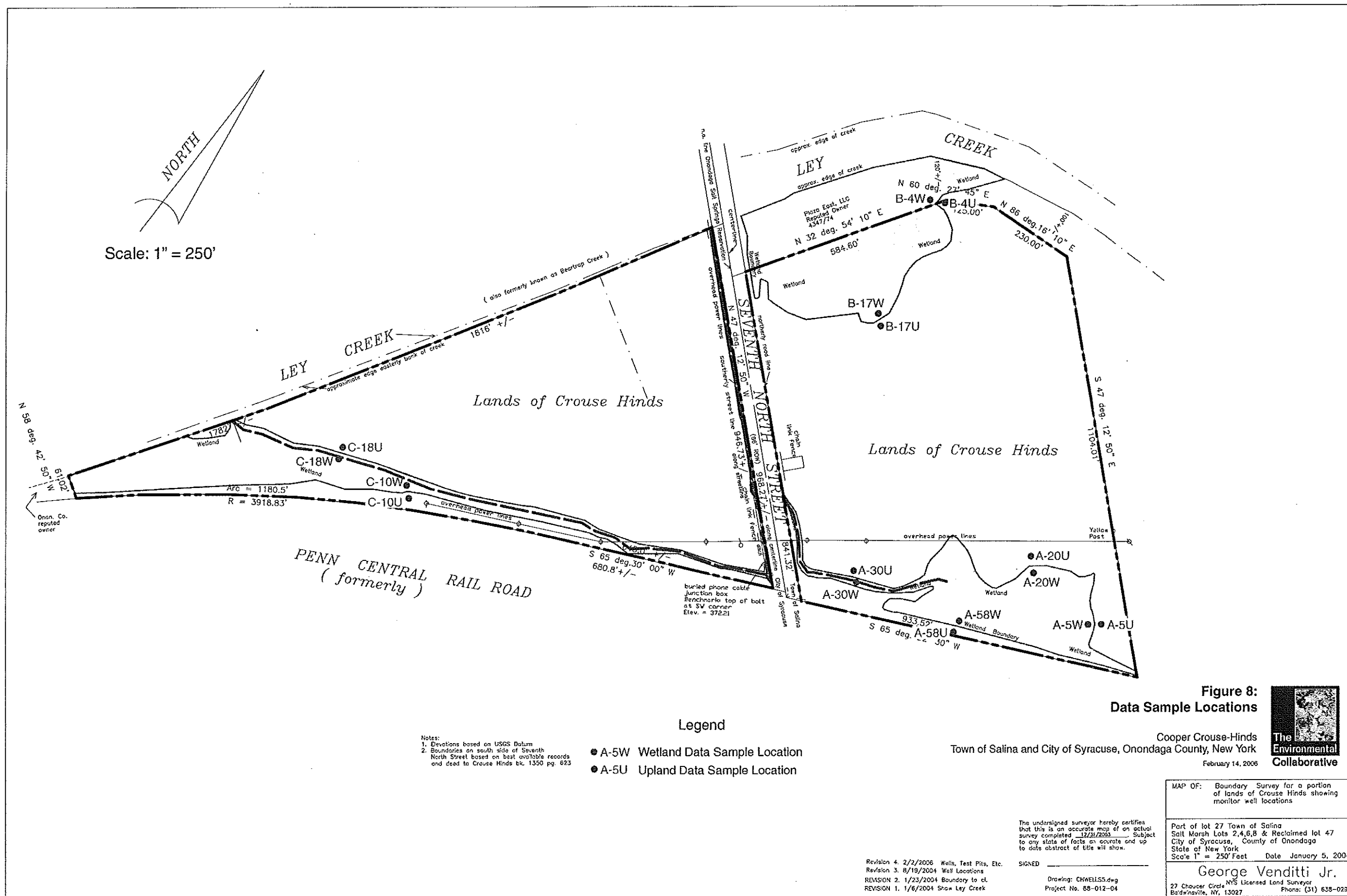


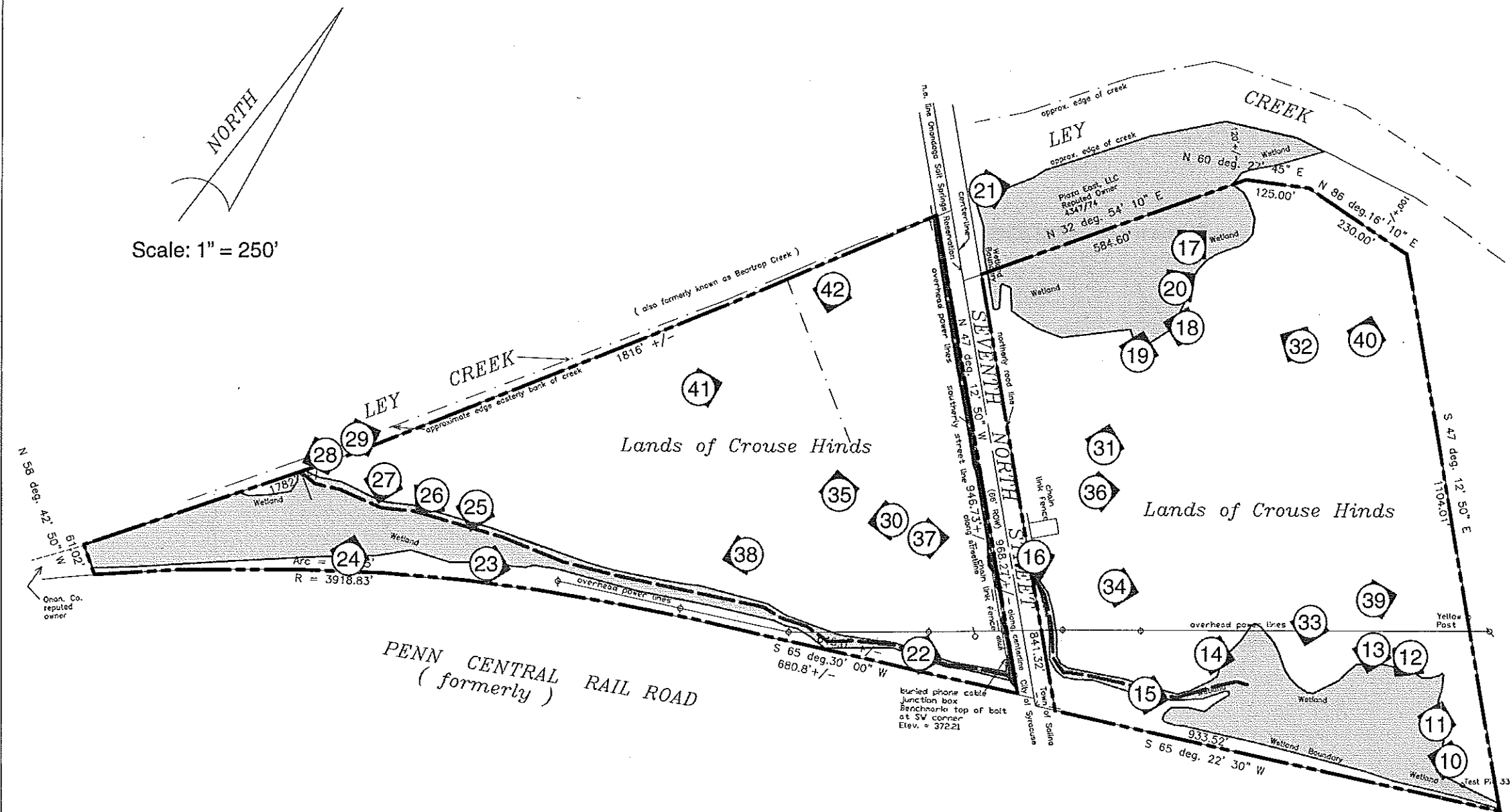
Appendix A:
Wetland Maps

Appendix B:
Data Sheets

Appendix A:

Wetland Maps





Scale: 1" = 250'

NORTH

Lands of Crouse Hinds

Lands of Crouse Hinds

PENN CENTRAL RAIL ROAD
(formerly)

Legend

10 Photograph Location

Notes:
1. Elevations based on USGS Datum
2. Boundaries on south side of Seventh North Street based on best available records and deed to Crouse Hinds bk. 1350 pg. 623

Figure 9:
Photograph Locations

Cooper Crouse-Hinds
Town of Salina and City of Syracuse, Onondaga County, New York
February 14, 2008



Revision 4. 2/2/2008 Wells, Test Pits, Etc.
Revision 3. 8/19/2004 Well Locations
Revision 2. 1/23/2004 Boundary to cl.
Revision 1. 1/6/2004 Show Ley Creek

The undersigned surveyor hereby certifies that this is an accurate map of an actual survey completed 12/21/2008. Subject to any state of facts on accurate and up to date abstract of title will show.

SIGNED
Drawing: CHWELLS.dwg
Project No. 88-012-04

MAP OF: Boundary Survey for a portion of lands of Crouse Hinds showing monitor well locations

Part of lot 27 Town of Salina
Salt Marsh Lots 2, 4, 6, 8 & Reclaimed lot 47
City of Syracuse, County of Onondaga
State of New York
Scale 1" = 250' Feet Date January 5, 2004

George Venditti Jr.
27 Chaucer Circle
Baldwinsville, NY 13027
NYS Licensed Land Surveyor
Phone: (315) 638-0290

Appendix B:

Data Sheets

DATA FORM
ROUTINE WETLAND DETERMINATION
(1987 COE Wetlands Delineation Manual)

| | |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
| Project Code: <u>Delta - Cooper-Crouse Hinds</u> Investigator(s): <u>BCR</u>
Applicant: <u>Cooper-Crouse Hinds</u> Date: <u>Nov. 14, 2005</u> | Town/City: <u>SalinaSyracuse</u>
County: <u>Onondaga</u>
State: <u>New York</u> |
| Do normal circumstances exist on the site? <input checked="" type="radio"/> Yes <input type="radio"/> No
Is the site significantly disturbed? <input checked="" type="radio"/> Yes <input type="radio"/> No
Is the area a potential Problem Area? <input type="radio"/> Yes <input checked="" type="radio"/> No
(If needed, explain on reverse side) | Community: <u>Ex 1</u>
Wetland ID: <u>A</u>
Plot ID: <u>A-5 wet</u> |

SOILS

| | | |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------|---------------------------------------------------------------------------------------------------|
| Series and Phase (best fit): <u>Mapped as made land</u> | | Drainage Class: <u>PD</u> |
| Subgroup: _____ | Slope: <u>< 1%</u> | Confirm Mapped Type? <input checked="" type="radio"/> Yes <input type="radio"/> No <u>sort of</u> |
| Depth
(In.) | Horizon | Matrix
Color |
| Mottles | Texture, Structure, Other | |
| <u>> 12"</u> | <u>10YR 3/1</u> | <u>mix of silt, loam clay</u> |
| Hydric Soil Indicators:
<input type="checkbox"/> Histisol
<input type="checkbox"/> Histic Epipedon
<input type="checkbox"/> Sulfidic Odor
<input checked="" type="checkbox"/> Aquic Moisture Regime
<input checked="" type="checkbox"/> Reducing Conditions
<input checked="" type="checkbox"/> Gleyed or Low Chroma Colors
<input type="checkbox"/> Concretions
<input type="checkbox"/> High Organic Content in Surface Layer of Sandy Soils
<input type="checkbox"/> Organic Streaking in Sandy Soils
<input type="checkbox"/> Listed on Hydric Soil List
<input type="checkbox"/> Listed on National Hydric Soil List
<input type="checkbox"/> Other (Explain in Remarks) | | |
| Remarks: _____ | | |

HYDROLOGY

| | |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <input checked="" type="checkbox"/> Recorded Data (Describe in Remarks):
<input type="checkbox"/> Stream, Lake, or Tide Gauge
<input checked="" type="checkbox"/> Aerial Photographs
<input type="checkbox"/> Other
<input type="checkbox"/> No Recorded Data Available | Wetland Hydrology Indicators:
Primary Indicators
<input checked="" type="checkbox"/> Inundated
<input type="checkbox"/> Saturated in Upper 12"
<input type="checkbox"/> Water Marks
<input type="checkbox"/> Drift Lines
<input type="checkbox"/> Sediment Deposits
<input checked="" type="checkbox"/> Drainage Patterns in Wetlands
Secondary Indicators (2 or more required):
<input type="checkbox"/> Oxidized Root Channels in Upper 12"
<input type="checkbox"/> Water-stained Leaves
<input type="checkbox"/> Local Soil Survey Data
<input type="checkbox"/> FAC Neutral Test
<input type="checkbox"/> Other (Explain in Remarks) |
| Field Observations:
Depth of Surface Water <u>5</u> (in.)
Depth to Free Water _____ (in.)
Depth to Saturated Soil _____ (in.)
<u>at surface</u> | |
| Remarks: _____ | |

DATA FORM (Page 2)
 ROUTINE WETLAND DETERMINATION
 (1987 COE Wetlands Delineation Manual)

| | |
|--------------------------------------------------|-----------------------------|
| Project Code: <u>Delta - Cooper-Crouse Hinds</u> | Plot ID: <u>A-5114</u> |
| Applicant: <u>Cooper-Crouse Hinds</u> | Photo No.: <u>1 & 2</u> |

VEGETATION

| Dominant Plant Species | Stratum | Indicator | Dominant Plant Species | Stratum | Indicator |
|--------------------------------|----------|-------------|------------------------|---------|-----------|
| 1. <u>Phragmites australis</u> | <u>H</u> | <u>FACW</u> | 11. _____ | _____ | _____ |
| 2. _____ | _____ | _____ | 12. _____ | _____ | _____ |
| 3. _____ | _____ | _____ | 13. _____ | _____ | _____ |
| 4. _____ | _____ | _____ | 14. _____ | _____ | _____ |
| 5. _____ | _____ | _____ | 15. _____ | _____ | _____ |
| 6. _____ | _____ | _____ | 16. _____ | _____ | _____ |
| 7. _____ | _____ | _____ | 17. _____ | _____ | _____ |
| 8. _____ | _____ | _____ | 18. _____ | _____ | _____ |
| 9. _____ | _____ | _____ | 19. _____ | _____ | _____ |
| 10. _____ | _____ | _____ | 20. _____ | _____ | _____ |

Percent of Dominant Species that are
 OBL, FACW, or FAC 100%

Percent of Dominant Species that are
 OBL or FACW 100%

Remarks:

WETLAND DETERMINATION

| | |
|-----------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------|
| Hydrophytic Vegetation Present? <input checked="" type="radio"/> Yes <input type="radio"/> No | Hydric Soils Present? <input checked="" type="radio"/> Yes <input type="radio"/> No |
| Wetland Hydrology Present? <input checked="" type="radio"/> Yes <input type="radio"/> No | Is this Sampling Point Within a Wetland? <input checked="" type="radio"/> Yes <input type="radio"/> No |

Remarks:

DATA FORM
ROUTINE WETLAND DETERMINATION
(1987 COE Wetlands Delineation Manual)

| | |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
| Project Code: <u>Delta - Cooper-Crouse Hinds</u> Investigator(s): <u>BCR</u>
Applicant: <u>Cooper-Crouse Hinds</u> Date: <u>Nov. 14, 2005</u> | Town/City: <u>SalinaSyracuse</u>
County: <u>Onondaga</u>
State: <u>New York</u> |
| Do normal circumstances exist on the site? <input checked="" type="radio"/> Yes <input type="radio"/> No
Is the site significantly disturbed? <input checked="" type="radio"/> Yes <input type="radio"/> No
Is the area a potential Problem Area? <input type="radio"/> Yes <input checked="" type="radio"/> No
(If needed, explain on reverse side) | Community: <u>SU</u>
Wetland ID: <u>A</u>
Plot ID: <u>A-5up</u> |

SOILS

| | | |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------|------------------------------------------------------------------------------------|
| Series and Phase (best fit): <u>Udorthentic - loam</u> | | Drainage Class: <u>WD</u> |
| Subgroup: _____ | Slope: <u>2%</u> | Confirm Mapped Type? <input checked="" type="radio"/> Yes <input type="radio"/> No |
| Depth
(In.) | Horizon | Matrix
Color |
| _____ | _____ | Mottles |
| _____ | _____ | Texture, Structure, Other |
| _____ | _____ | _____ |
| Hydric Soil Indicators:
<input type="checkbox"/> Histisol <input type="checkbox"/> Concretions
<input type="checkbox"/> Histic Epipedon <input type="checkbox"/> High Organic Content in Surface Layer of Sandy Soils
<input type="checkbox"/> Sulfidic Odor <input type="checkbox"/> Organic Streaking in Sandy Soils
<input type="checkbox"/> Aquic Moisture Regime <input type="checkbox"/> Listed on Hydric Soil List
<input type="checkbox"/> Reducing Conditions <input type="checkbox"/> Listed on National Hydric Soil List
<input type="checkbox"/> Gleyed or Low Chroma Colors <input type="checkbox"/> Other (Explain in Remarks) | | |
| Remarks: <u>steep slope into wetland</u> | | |

HYDROLOGY

| | |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <input checked="" type="checkbox"/> Recorded Data (Describe in Remarks):
<input checked="" type="checkbox"/> Stream, Lake, or Tide Gauge
<input checked="" type="checkbox"/> Aerial Photographs
<input type="checkbox"/> Other
<input type="checkbox"/> No Recorded Data Available | Wetland Hydrology Indicators:
Primary Indicators
<input type="checkbox"/> Inundated
<input type="checkbox"/> Saturated in Upper 12"
<input type="checkbox"/> Water Marks
<input type="checkbox"/> Drift Lines
<input type="checkbox"/> Sediment Deposits
<input type="checkbox"/> Drainage Patterns in Wetlands
Secondary Indicators (2 or more required):
<input type="checkbox"/> Oxidized Root Channels in Upper 12"
<input type="checkbox"/> Water-stained Leaves
<input type="checkbox"/> Local Soil Survey Data
<input type="checkbox"/> FAC Neutral Test
<input type="checkbox"/> Other (Explain in Remarks) |
| Field Observations:
Depth of Surface Water <u>0</u> (in.)
Depth to Free Water <u>0</u> (in.)
Depth to Saturated Soil <u>0</u> (in.) | |
| Remarks: | |

DATA FORM (Page 2)
ROUTINE WETLAND DETERMINATION
(1987 COE Wetlands Delineation Manual)

| | |
|--------------------------------------------------|-----------------------|
| Project Code: <u>Delta - Cooper-Crouse Hinds</u> | Plot ID: <u>A-50p</u> |
| Applicant: <u>Cooper-Crouse Hinds</u> | Photo No.: _____ |

VEGETATION

| Dominant Plant Species | Stratum | Indicator | Dominant Plant Species | Stratum | Indicator |
|--------------------------------------------------------|----------|-------------|--------------------------------------------------|---------|------------|
| 1. <u>Rhynchospora</u> | <u>S</u> | <u>UPL</u> | 11. _____ | _____ | _____ |
| 2. <u>Heliconia plicata</u> | <u>H</u> | <u>FACW</u> | 12. _____ | _____ | _____ |
| 3. <u>Populus deltoides</u> | <u>T</u> | <u>FACW</u> | 13. _____ | _____ | _____ |
| 4. _____ | _____ | _____ | 14. _____ | _____ | _____ |
| 5. _____ | _____ | _____ | 15. _____ | _____ | _____ |
| 6. _____ | _____ | _____ | 16. _____ | _____ | _____ |
| 7. _____ | _____ | _____ | 17. _____ | _____ | _____ |
| 8. _____ | _____ | _____ | 18. _____ | _____ | _____ |
| 9. _____ | _____ | _____ | 19. _____ | _____ | _____ |
| 10. _____ | _____ | _____ | 20. _____ | _____ | _____ |
| Percent of Dominant Species that are OBL, FACW, or FAC | | <u>33%</u> | Percent of Dominant Species that are OBL or FACW | | <u>33%</u> |
| Remarks: | | | | | |

WETLAND DETERMINATION

| | |
|-----------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------|
| Hydrophytic Vegetation Present? Yes <input type="radio"/> No <input checked="" type="radio"/> | Hydric Soils Present? Yes <input type="radio"/> No <input checked="" type="radio"/> |
| Wetland Hydrology Present? Yes <input type="radio"/> No <input checked="" type="radio"/> | Is this Sampling Point Within a Wetland? Yes <input type="radio"/> No <input checked="" type="radio"/> |
| Remarks: | |

DATA FORM
ROUTINE WETLAND DETERMINATION
(1987 COE Wetlands Delineation Manual)

| | |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|
| Project Code: <u>Delta - Cooper-Crouse Hinds</u> Investigator(s): <u>BCR</u>
Applicant: <u>Cooper-Crouse Hinds</u> Date: <u>Nov. 14, 2005</u> | Town/City: <u>Salina/Syracuse</u>
County: <u>Onondaga</u>
State: <u>New York</u> |
| Do normal circumstances exist on the site? <input checked="" type="radio"/> Yes <input type="radio"/> No
Is the site significantly disturbed? <input checked="" type="radio"/> Yes <input type="radio"/> No
Is the area a potential Problem Area? <input type="radio"/> Yes <input checked="" type="radio"/> No
(If needed, explain on reverse side) | Community: <u>EWI</u>
Wetland ID: <u>A</u>
Plot ID: <u>A-2011124</u> |

SOILS

| | | |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------|---------------------------------------------------------------------------------------------------|
| Series and Phase (best fit): <u>Mapped as Horse Land</u> | | Drainage Class: _____ |
| Subgroup: _____ | Slope: <u><1%</u> | Confirm Mapped Type? <input checked="" type="radio"/> Yes <input type="radio"/> No <u>sort of</u> |
| Depth
(In.) | Horizon | Matrix
Color |
| Mottles | Texture, Structure, Other | |
| <u>>12'</u> | <u>10YR 3/1</u> | <u>mix of silt/loam, muck</u> |
| Hydric Soil Indicators:
<input type="checkbox"/> Histisol <input type="checkbox"/> Concretions
<input type="checkbox"/> Histic Epipedon <input type="checkbox"/> High Organic Content in Surface Layer of Sandy Soils
<input type="checkbox"/> Sulfidic Odor <input type="checkbox"/> Organic Streaking in Sandy Soils
<input type="checkbox"/> Aquic Moisture Regime <input type="checkbox"/> Listed on Hydric Soil List
<input type="checkbox"/> Reducing Conditions <input type="checkbox"/> Listed on National Hydric Soil List
<input type="checkbox"/> Gleyed or Low Chroma Colors <input type="checkbox"/> Other (Explain in Remarks) | | |
| Remarks: _____ | | |

HYDROLOGY

| | |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <input checked="" type="checkbox"/> Recorded Data (Describe in Remarks):
<input type="checkbox"/> Stream, Lake, or Tide Gauge
<input checked="" type="checkbox"/> Aerial Photographs
<input type="checkbox"/> Other
<input type="checkbox"/> No Recorded Data Available | Wetland Hydrology Indicators:
Primary Indicators
<input checked="" type="checkbox"/> Inundated
<input checked="" type="checkbox"/> Saturated in Upper 12"
<input type="checkbox"/> Water Marks
<input type="checkbox"/> Drift Lines
<input type="checkbox"/> Sediment Deposits
<input type="checkbox"/> Drainage Patterns in Wetlands
Secondary Indicators (2 or more required):
<input type="checkbox"/> Oxidized Root Channels in Upper 12"
<input type="checkbox"/> Water-stained Leaves
<input type="checkbox"/> Local Soil Survey Data
<input type="checkbox"/> FAC Neutral Test
<input type="checkbox"/> Other (Explain in Remarks) |
| Field Observations:
Depth of Surface Water <u>6</u> (in.)
Depth to Free Water _____ (in.)
Depth to Saturated Soil _____ (in.)
<u>at surface</u> | |
| Remarks: _____ | |

DATA FORM (Page 2)
ROUTINE WETLAND DETERMINATION
(1987 COE Wetlands Delineation Manual)

| | |
|--------------------------------------------------|---------------------------|
| Project Code: <u>Delta - Cooper-Crouse Hinds</u> | Plot ID: <u>A-30, 1st</u> |
| Applicant: <u>Cooper-Crouse Hinds</u> | Photo No.: _____ |

VEGETATION

| Dominant Plant Species | Stratum | Indicator | Dominant Plant Species | Stratum | Indicator |
|-----------------------------|---------|-------------|------------------------|---------|-----------|
| 1. <u>Phragmites aux. H</u> | | <u>FACW</u> | 11. _____ | | |
| 2. _____ | | | 12. _____ | | |
| 3. _____ | | | 13. _____ | | |
| 4. _____ | | | 14. _____ | | |
| 5. _____ | | | 15. _____ | | |
| 6. _____ | | | 16. _____ | | |
| 7. _____ | | | 17. _____ | | |
| 8. _____ | | | 18. _____ | | |
| 9. _____ | | | 19. _____ | | |
| 10. _____ | | | 20. _____ | | |

| | |
|--------------------------------------------------------------------|--------------------------------------------------------------|
| Percent of Dominant Species that are OBL, FACW, or FAC <u>100%</u> | Percent of Dominant Species that are OBL or FACW <u>100%</u> |
|--------------------------------------------------------------------|--------------------------------------------------------------|

Remarks: Other species farther out: Typha angustifolia
Spartina salicaria
Pennisetum

WETLAND DETERMINATION

| | |
|-----------------------------------------------|--------------------------------------------------------|
| Hydrophytic Vegetation Present? <u>Yes</u> No | Hydric Soils Present? <u>Yes</u> No |
| Wetland Hydrology Present? <u>Yes</u> No | Is this Sampling Point Within a Wetland? <u>Yes</u> No |
| Remarks: | |

DATA FORM
ROUTINE WETLAND DETERMINATION
(1987 COE Wetlands Delineation Manual)

| | |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|
| Project Code: <u>Delta - Cooper-Crouse Hinds</u> Investigator(s): <u>BCR</u>
Applicant: <u>Cooper-Crouse Hinds</u> Date: <u>Nov. 14, 2005</u> | Town/City: <u>Salina/Syracuse</u>
County: <u>Onondaga</u>
State: <u>New York</u> |
| Do normal circumstances exist on the site? <input checked="" type="radio"/> Yes <input type="radio"/> No
Is the site significantly disturbed? <input checked="" type="radio"/> Yes <input type="radio"/> No
Is the area a potential Problem Area? <input type="radio"/> Yes <input checked="" type="radio"/> No
(If needed, explain on reverse side) | Community: <u>SALINA</u>
Wetland ID: <u>12</u>
Plot ID: <u>E-3000</u> |

SOILS

| | | |
|--------------------------------------------------------|---------------------------|------------------------------------------------------------------------------------|
| Series and Phase (best fit): <u>Udonthentz - trash</u> | | Drainage Class: <u>WD</u> |
| Subgroup: _____ | Slope: <u>2%</u> | Confirm Mapped Type? <input checked="" type="radio"/> Yes <input type="radio"/> No |
| Depth
(In.) | Horizon | Matrix
Color |
| Mottles | Texture, Structure, Other | |
| | | |
| | | |
| | | |

| | |
|------------------------------------------------------|-------------------------------------------------------------------------------|
| Hydric Soil Indicators: | |
| <input type="checkbox"/> Histisol | <input type="checkbox"/> Concretions |
| <input type="checkbox"/> Histic Epipedon | <input type="checkbox"/> High Organic Content in Surface Layer of Sandy Soils |
| <input type="checkbox"/> Sulfidic Odor | <input type="checkbox"/> Organic Streaking in Sandy Soils |
| <input type="checkbox"/> Aquic Moisture Regime | <input type="checkbox"/> Listed on Hydric Soil List |
| <input type="checkbox"/> Reducing Conditions | <input type="checkbox"/> Listed on National Hydric Soil List |
| <input type="checkbox"/> Gleyed or Low Chroma Colors | <input type="checkbox"/> Other (Explain in Remarks) |

Remarks: steep slope into wetland

HYDROLOGY

| | |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <input checked="" type="checkbox"/> Recorded Data (Describe in Remarks):

<input type="checkbox"/> Stream, Lake, or Tide Gauge
<input checked="" type="checkbox"/> Aerial Photographs
<input type="checkbox"/> Other

<input type="checkbox"/> No Recorded Data Available | Wetland Hydrology Indicators:
Primary Indicators
<input type="checkbox"/> Inundated
<input type="checkbox"/> Saturated in Upper 12"
<input type="checkbox"/> Water Marks
<input type="checkbox"/> Drift Lines
<input type="checkbox"/> Sediment Deposits
<input type="checkbox"/> Drainage Patterns in Wetlands
Secondary Indicators (2 or more required):
<input type="checkbox"/> Oxidized Root Channels in Upper 12"
<input type="checkbox"/> Water-stained Leaves
<input type="checkbox"/> Local Soil Survey Data
<input type="checkbox"/> FAC Neutral Test
<input type="checkbox"/> Other (Explain in Remarks) |
| Field Observations:
Depth of Surface Water <u>0</u> (in.)
Depth to Free Water <u>0</u> (in.)
Depth to Saturated Soil <u>0</u> (in.) | |
| Remarks: | |

DATA FORM (Page 2)
ROUTINE WETLAND DETERMINATION
(1987 COE Wetlands Delineation Manual)

| | |
|--------------------------------------------------|------------------------|
| Project Code: <u>Delta - Cooper-Crouse Hinds</u> | Plot ID: <u>2-2007</u> |
| Applicant: <u>Cooper-Crouse Hinds</u> | Photo No.: _____ |

VEGETATION

| Dominant Plant Species | Stratum | Indicator | Dominant Plant Species | Stratum | Indicator |
|--------------------------------------------------------|----------|-------------|--------------------------------------------------|---------|-------------|
| 1. <u>Phrag. australis</u> | <u>H</u> | <u>FACW</u> | 11. _____ | _____ | _____ |
| 2. <u>0</u> | _____ | _____ | 12. _____ | _____ | _____ |
| 3. _____ | _____ | _____ | 13. _____ | _____ | _____ |
| 4. _____ | _____ | _____ | 14. _____ | _____ | _____ |
| 5. _____ | _____ | _____ | 15. _____ | _____ | _____ |
| 6. _____ | _____ | _____ | 16. _____ | _____ | _____ |
| 7. _____ | _____ | _____ | 17. _____ | _____ | _____ |
| 8. _____ | _____ | _____ | 18. _____ | _____ | _____ |
| 9. _____ | _____ | _____ | 19. _____ | _____ | _____ |
| 10. _____ | _____ | _____ | 20. _____ | _____ | _____ |
| Percent of Dominant Species that are OBL, FACW, or FAC | | <u>100%</u> | Percent of Dominant Species that are OBL or FACW | | <u>100%</u> |
| Remarks: | | | | | |

WETLAND DETERMINATION

| | |
|-------------------------------------------------|--------------------------------------------------------|
| Hydrophytic Vegetation Present? <u>Yes</u> No | Hydric Soils Present? Yes <u>No</u> |
| Wetland Hydrology Present? Yes <u>No</u> | Is this Sampling Point Within a Wetland? Yes <u>No</u> |
| Remarks: <u>stuck bank sloping into wetland</u> | |

DATA FORM
ROUTINE WETLAND DETERMINATION
(1987 COE Wetlands Delineation Manual)

| | |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|
| Project Code: <u>Delta - Cooper-Crouse Hinds</u> Investigator(s): <u>BCR</u>
Applicant: <u>Cooper-Crouse Hinds</u> Date: <u>Nov. 14, 2005</u> | Town/City: <u>Salina/Syracuse</u>
County: <u>Onondaga</u>
State: <u>New York</u> |
| Do normal circumstances exist on the site? <input checked="" type="radio"/> Yes <input type="radio"/> No
Is the site significantly disturbed? <input checked="" type="radio"/> Yes <input type="radio"/> No
Is the area a potential Problem Area? <input type="radio"/> Yes <input checked="" type="radio"/> No
(If needed, explain on reverse side) | Community: <u>Schenectady</u>
Wetland ID: <u>A</u>
Plot ID: <u>A-3011164</u> |

SOILS

| | | |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------|------------------------------------------------------------------------------------|
| Series and Phase (best fit): <u>Fluvaquent</u> | | Drainage Class: <u>PD</u> |
| Subgroup: _____ | Slope: <u>1%</u> | Confirm Mapped Type? Yes <input type="radio"/> No <input checked="" type="radio"/> |
| Depth
(In.) | Horizon | Matrix
Color |
| | | Mottles |
| Texture, Structure, Other | | |
| | | |
| Hydric Soil Indicators:
<input type="checkbox"/> Histisol <input type="checkbox"/> Concretions
<input type="checkbox"/> Histic Epipedon <input type="checkbox"/> High Organic Content in Surface Layer of Sandy Soils
<input type="checkbox"/> Sulfidic Odor <input type="checkbox"/> Organic Streaking in Sandy Soils
<input type="checkbox"/> Aquic Moisture Regime <input type="checkbox"/> Listed on Hydric Soil List
<input type="checkbox"/> Reducing Conditions <input type="checkbox"/> Listed on National Hydric Soil List
<input type="checkbox"/> Gleyed or Low Chroma Colors <input type="checkbox"/> Other (Explain in Remarks) | | |
| Remarks: <u>stream</u> | | |

HYDROLOGY

| | |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <input checked="" type="checkbox"/> Recorded Data (Describe in Remarks):

<input type="checkbox"/> Stream, Lake, or Tide Gauge
<input checked="" type="checkbox"/> Aerial Photographs
<input type="checkbox"/> Other

<input type="checkbox"/> No Recorded Data Available | Wetland Hydrology Indicators:
Primary Indicators
<input checked="" type="checkbox"/> Inundated
<input checked="" type="checkbox"/> Saturated in Upper 12"
<input type="checkbox"/> Water Marks
<input type="checkbox"/> Drift Lines
<input type="checkbox"/> Sediment Deposits
<input type="checkbox"/> Drainage Patterns in Wetlands
Secondary Indicators (2 or more required):
<input type="checkbox"/> Oxidized Root Channels in Upper 12"
<input type="checkbox"/> Water-stained Leaves
<input type="checkbox"/> Local Soil Survey Data
<input type="checkbox"/> FAC Neutral Test
<input type="checkbox"/> Other (Explain in Remarks) |
| Field Observations:
Depth of Surface Water <u>2</u> (in.)
Depth to Free Water _____ (in.)
Depth to Saturated Soil _____ (in.) | |
| Remarks: | |

DATA FORM (Page 2)
ROUTINE WETLAND DETERMINATION
(1987 COE Wetlands Delineation Manual)

| | |
|--------------------------------------------------|--------------------------|
| Project Code: <u>Delta - Cooper-Crouse Hinds</u> | Plot ID: <u>A-301104</u> |
| Applicant: <u>Cooper-Crouse Hinds</u> | Photo No.: _____ |

VEGETATION

| Dominant Plant Species | Stratum | Indicator | Dominant Plant Species | Stratum | Indicator |
|--------------------------------------------------------------------|----------|------------|--------------------------------------------------------------|---------|-----------|
| 1. <u>Spartina patens</u> | <u>H</u> | <u>OBL</u> | 11. _____ | _____ | _____ |
| 2. _____ | _____ | _____ | 12. _____ | _____ | _____ |
| 3. _____ | _____ | _____ | 13. _____ | _____ | _____ |
| 4. _____ | _____ | _____ | 14. _____ | _____ | _____ |
| 5. _____ | _____ | _____ | 15. _____ | _____ | _____ |
| 6. _____ | _____ | _____ | 16. _____ | _____ | _____ |
| 7. _____ | _____ | _____ | 17. _____ | _____ | _____ |
| 8. _____ | _____ | _____ | 18. _____ | _____ | _____ |
| 9. _____ | _____ | _____ | 19. _____ | _____ | _____ |
| 10. _____ | _____ | _____ | 20. _____ | _____ | _____ |
| Percent of Dominant Species that are OBL, FACW, or FAC <u>100%</u> | | | Percent of Dominant Species that are OBL or FACW <u>100%</u> | | |
| Remarks: | | | | | |

WETLAND DETERMINATION

| | |
|-----------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------|
| Hydrophytic Vegetation Present? <input checked="" type="radio"/> Yes <input type="radio"/> No | Hydric Soils Present? <input checked="" type="radio"/> Yes <input type="radio"/> No |
| Wetland Hydrology Present? <input checked="" type="radio"/> Yes <input type="radio"/> No | Is this Sampling Point Within a Wetland? <input checked="" type="radio"/> Yes <input type="radio"/> No |
| Remarks: <u>See map</u> | |

DATA FORM
ROUTINE WETLAND DETERMINATION
(1987 COE Wetlands Delineation Manual)

| | |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
| Project Code: <u>Delta - Cooper-Crouse Hinds</u> Investigator(s): <u>BCR</u>
Applicant: <u>Cooper-Crouse Hinds</u> Date: <u>Nov. 14, 2005</u> | Town/City: <u>SalinaSyracuse</u>
County: <u>Onondaga</u>
State: <u>New York</u> |
| Do normal circumstances exist on the site? <input checked="" type="radio"/> Yes <input type="radio"/> No
Is the site significantly disturbed? <input checked="" type="radio"/> Yes <input type="radio"/> No
Is the area a potential Problem Area? <input type="radio"/> Yes <input checked="" type="radio"/> No
(If needed, explain on reverse side) | Community: <u>OF</u>
Wetland ID: <u>A</u>
Plot ID: <u>A 3000</u> |

SOILS

| | | |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------|-----------------------------------------------------------------------------------------------------|
| Series and Phase (best fit): <u>Udorthent - thin</u> | | Drainage Class: <u>WD</u> |
| Subgroup: _____ | | Slope: <u>2%</u> Confirm Mapped Type? <input checked="" type="radio"/> Yes <input type="radio"/> No |
| Depth (In.) | Horizon | Matrix Color |
| | | Mottles |
| | | Texture, Structure, Other |
| | | |
| Hydric Soil Indicators:
<input type="checkbox"/> Histisol <input type="checkbox"/> Concretions
<input type="checkbox"/> Histic Epipedon <input type="checkbox"/> High Organic Content in Surface Layer of Sandy Soils
<input type="checkbox"/> Sulfidic Odor <input type="checkbox"/> Organic Streaking in Sandy Soils
<input type="checkbox"/> Aquic Moisture Regime <input type="checkbox"/> Listed on Hydric Soil List
<input type="checkbox"/> Reducing Conditions <input type="checkbox"/> Listed on National Hydric Soil List
<input type="checkbox"/> Gleyed or Low Chroma Colors <input type="checkbox"/> Other (Explain in Remarks) | | |
| Remarks: <u>well-defined channel</u> | | |

HYDROLOGY

| | |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <input checked="" type="checkbox"/> Recorded Data (Describe in Remarks):
<input type="checkbox"/> Stream, Lake, or Tide Gauge
<input checked="" type="checkbox"/> Aerial Photographs
<input type="checkbox"/> Other
<input type="checkbox"/> No Recorded Data Available | Wetland Hydrology Indicators:
Primary Indicators
<input type="checkbox"/> Inundated
<input type="checkbox"/> Saturated in Upper 12"
<input type="checkbox"/> Water Marks
<input type="checkbox"/> Drift Lines
<input type="checkbox"/> Sediment Deposits
<input type="checkbox"/> Drainage Patterns in Wetlands
Secondary Indicators (2 or more required):
<input type="checkbox"/> Oxidized Root Channels in Upper 12"
<input type="checkbox"/> Water-stained Leaves
<input type="checkbox"/> Local Soil Survey Data
<input type="checkbox"/> FAC Neutral Test
<input type="checkbox"/> Other (Explain in Remarks) |
| Field Observations:
Depth of Surface Water <u>0</u> (in.)
Depth to Free Water <u>0</u> (in.)
Depth to Saturated Soil <u>0</u> (in.) | |
| Remarks: | |

DATA FORM (Page 2)
ROUTINE WETLAND DETERMINATION
(1987 COE Wetlands Delineation Manual)

| | |
|--------------------------------------------------|------------------------|
| Project Code: <u>Delta - Cooper-Crouse Hinds</u> | Plot ID: <u>A-3002</u> |
| Applicant: <u>Cooper-Crouse Hinds</u> | Photo No.: _____ |

VEGETATION

| Dominant Plant Species | Stratum | Indicator | Dominant Plant Species | Stratum | Indicator |
|--------------------------------|----------|-------------|------------------------|---------|-----------|
| 1. <u>Poaceae</u> | <u>H</u> | <u>FACU</u> | 11. _____ | _____ | _____ |
| 2. <u>Phragmites australis</u> | <u>H</u> | <u>FACU</u> | 12. _____ | _____ | _____ |
| 3. <u>Solidago can.</u> | <u>H</u> | <u>FACU</u> | 13. _____ | _____ | _____ |
| 4. _____ | _____ | _____ | 14. _____ | _____ | _____ |
| 5. _____ | _____ | _____ | 15. _____ | _____ | _____ |
| 6. _____ | _____ | _____ | 16. _____ | _____ | _____ |
| 7. _____ | _____ | _____ | 17. _____ | _____ | _____ |
| 8. _____ | _____ | _____ | 18. _____ | _____ | _____ |
| 9. _____ | _____ | _____ | 19. _____ | _____ | _____ |
| 10. _____ | _____ | _____ | 20. _____ | _____ | _____ |

| | |
|-------------------------------------------------------------------|-------------------------------------------------------------|
| Percent of Dominant Species that are OBL, FACW, or FAC <u>33%</u> | Percent of Dominant Species that are OBL or FACW <u>33%</u> |
|-------------------------------------------------------------------|-------------------------------------------------------------|

Remarks: scattered Populus deltoides & 1 lg. Salix nigra
Rhamnus cathartica & Vitis nigra
of stream

WETLAND DETERMINATION

| | |
|-------------------------------------------------------------------------|----------------------------------------------------------------------------------|
| Hydrophytic Vegetation Present? Yes <input checked="" type="radio"/> No | Hydric Soils Present? Yes <input checked="" type="radio"/> No |
| Wetland Hydrology Present? Yes <input checked="" type="radio"/> No | Is this Sampling Point Within a Wetland? Yes <input checked="" type="radio"/> No |
| Remarks: | |

DATA FORM
ROUTINE WETLAND DETERMINATION
(1987 COE Wetlands Delineation Manual)

| | |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------|
| Project Code: <u>Delta - Cooper-Crouse Hinds</u> Investigator(s): <u>BCR</u>
Applicant: <u>Cooper-Crouse Hinds</u> Date: <u>Nov. 14, 2005</u> | Town/City: <u>Salina</u>
County: <u>Syracuse</u>
State: <u>New York</u> |
| Do normal circumstances exist on the site? <input checked="" type="radio"/> Yes <input type="radio"/> No
Is the site significantly disturbed? <input checked="" type="radio"/> Yes <input type="radio"/> No
Is the area a potential Problem Area? <input type="radio"/> Yes <input checked="" type="radio"/> No
(If needed, explain on reverse side) | Community: <u>Ev 1</u>
Wetland ID: <u>A</u>
Plot ID: <u>A 58 wet</u> |

SOILS

| | | |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------|---------------------------------------------------------------------------------------------------|
| Series and Phase (best fit): <u>Mapped as Made land</u> | | Drainage Class: <u>PD</u> |
| Subgroup: _____ | Slope: <u>2 1/2%</u> | Confirm Mapped Type? <input checked="" type="radio"/> Yes <input type="radio"/> No <u>sort of</u> |
| Depth
(In.) | Horizon | Matrix
Color |
| Mottles | Texture, Structure, Other | |
| <u>712"</u> | <u>10YR 3/1</u> | <u>mix of silt loam</u>
<u>cluck</u> |
| Hydric Soil Indicators:
<input type="checkbox"/> Histisol <input type="checkbox"/> Concretions
<input type="checkbox"/> Histic Epipedon <input type="checkbox"/> High Organic Content in Surface Layer of Sandy Soils
<input type="checkbox"/> Sulfidic Odor <input type="checkbox"/> Organic Streaking in Sandy Soils
<input checked="" type="checkbox"/> Aquic Moisture Regime <input type="checkbox"/> Listed on Hydric Soil List
<input checked="" type="checkbox"/> Reducing Conditions <input type="checkbox"/> Listed on National Hydric Soil List
<input checked="" type="checkbox"/> Gleyed or Low Chroma Colors <input type="checkbox"/> Other (Explain in Remarks) | | |
| Remarks: _____ | | |

HYDROLOGY

| | |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <input checked="" type="checkbox"/> Recorded Data (Describe in Remarks):
<input type="checkbox"/> Stream, Lake, or Tide Gauge
<input checked="" type="checkbox"/> Aerial Photographs
<input type="checkbox"/> Other
<input type="checkbox"/> No Recorded Data Available | Wetland Hydrology Indicators:
Primary Indicators
<input type="checkbox"/> Inundated
<input checked="" type="checkbox"/> Saturated in Upper 12"
<input type="checkbox"/> Water Marks
<input type="checkbox"/> Drift Lines
<input type="checkbox"/> Sediment Deposits
<input type="checkbox"/> Drainage Patterns in Wetlands
Secondary Indicators (2 or more required):
<input type="checkbox"/> Oxidized Root Channels in Upper 12"
<input type="checkbox"/> Water-stained Leaves
<input type="checkbox"/> Local Soil Survey Data
<input type="checkbox"/> FAC Neutral Test
<input type="checkbox"/> Other (Explain in Remarks) |
| Field Observations:
Depth of Surface Water <u>0</u> (in.)
Depth to Free Water <u>5</u> (in.)
Depth to Saturated Soil <u>5</u> (in.) | |
| Remarks: _____ | |

DATA FORM (Page 2)
ROUTINE WETLAND DETERMINATION
(1987 COE Wetlands Delineation Manual)

| | |
|--------------------------------------------------|--------------------------|
| Project Code: <u>Delta - Cooper-Crouse Hinds</u> | Plot ID: <u>A-58 wet</u> |
| Applicant: <u>Cooper-Crouse Hinds</u> | Photo No.: _____ |

VEGETATION

| Dominant Plant Species | Stratum | Indicator | Dominant Plant Species | Stratum | Indicator |
|--------------------------------------------------------|----------|---------------------------|--------------------------------------------------|---------|-------------|
| 1. <u>Phragmites</u> | <u>H</u> | <u>FACW</u> | 11. _____ | _____ | _____ |
| 2. <u>Spartina sp.</u> | <u>S</u> | <u>FACW</u>
<u>OBL</u> | 12. _____ | _____ | _____ |
| 3. <u>Scirpus</u> | _____ | _____ | 13. _____ | _____ | _____ |
| 4. _____ | _____ | _____ | 14. _____ | _____ | _____ |
| 5. _____ | _____ | _____ | 15. _____ | _____ | _____ |
| 6. _____ | _____ | _____ | 16. _____ | _____ | _____ |
| 7. _____ | _____ | _____ | 17. _____ | _____ | _____ |
| 8. _____ | _____ | _____ | 18. _____ | _____ | _____ |
| 9. _____ | _____ | _____ | 19. _____ | _____ | _____ |
| 10. _____ | _____ | _____ | 20. _____ | _____ | _____ |
| Percent of Dominant Species that are OBL, FACW, or FAC | | <u>100%</u> | Percent of Dominant Species that are OBL or FACW | | <u>100%</u> |
| Remarks: | | | | | |

WETLAND DETERMINATION

| | |
|-----------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------|
| Hydrophytic Vegetation Present? <input checked="" type="radio"/> Yes <input type="radio"/> No | Hydric Soils Present? <input checked="" type="radio"/> Yes <input type="radio"/> No |
| Wetland Hydrology Present? <input checked="" type="radio"/> Yes <input type="radio"/> No | Is this Sampling Point Within a Wetland? <input checked="" type="radio"/> Yes <input type="radio"/> No |
| Remarks: | |

DATA FORM
ROUTINE WETLAND DETERMINATION
(1987 COE Wetlands Delineation Manual)

| | |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
| Project Code: <u>Delta - Cooper-Crouse Hinds</u> Investigator(s): <u>BCR</u>
Applicant: <u>Cooper-Crouse Hinds</u> Date: <u>Nov. 14, 2005</u> | Town/City: <u>SalinaSyracuse</u>
County: <u>Onondaga</u>
State: <u>New York</u> |
| Do normal circumstances exist on the site? <input checked="" type="radio"/> Yes <input type="radio"/> No
Is the site significantly disturbed? <input checked="" type="radio"/> Yes <input type="radio"/> No
Is the area a potential Problem Area? <input type="radio"/> Yes <input checked="" type="radio"/> No
(If needed, explain on reverse side) | Community: <u>SL</u>
Wetland ID: <u>A</u>
Plot ID: <u>A-58 up</u> |

SOILS

| | | |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------|------------------------------------------------------------------------------------|
| Series and Phase (best fit): <u>Udorthentic - Bk Med</u> | | Drainage Class: <u>WD</u> |
| Subgroup: _____ | Slope: <u>4-5%</u> | Confirm Mapped Type? <input checked="" type="radio"/> Yes <input type="radio"/> No |
| Depth
(In.) | Horizon | Matrix
Color |
| Mottles | Texture, Structure, Other | |
| | | |
| | | |
| | | |
| Hydric Soil Indicators:
<input type="checkbox"/> Histisol <input type="checkbox"/> Concretions
<input type="checkbox"/> Histic Epipedon <input type="checkbox"/> High Organic Content in Surface Layer of Sandy Soils
<input type="checkbox"/> Sulfidic Odor <input type="checkbox"/> Organic Streaking in Sandy Soils
<input type="checkbox"/> Aquic Moisture Regime <input type="checkbox"/> Listed on Hydric Soil List
<input type="checkbox"/> Reducing Conditions <input type="checkbox"/> Listed on National Hydric Soil List
<input type="checkbox"/> Gleyed or Low Chroma Colors <input type="checkbox"/> Other (Explain in Remarks) | | |
| Remarks: _____ | | |

HYDROLOGY

| | |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <input checked="" type="checkbox"/> Recorded Data (Describe in Remarks):
<input type="checkbox"/> Stream, Lake, or Tide Gauge
<input type="checkbox"/> Aerial Photographs
<input type="checkbox"/> Other
<input type="checkbox"/> No Recorded Data Available | Wetland Hydrology Indicators:
Primary Indicators
<input type="checkbox"/> Inundated
<input type="checkbox"/> Saturated in Upper 12"
<input type="checkbox"/> Water Marks
<input type="checkbox"/> Drift Lines
<input type="checkbox"/> Sediment Deposits
<input type="checkbox"/> Drainage Patterns in Wetlands
Secondary Indicators (2 or more required):
<input type="checkbox"/> Oxidized Root Channels in Upper 12"
<input type="checkbox"/> Water-stained Leaves
<input type="checkbox"/> Local Soil Survey Data
<input type="checkbox"/> FAC Neutral Test
<input type="checkbox"/> Other (Explain in Remarks) |
| Field Observations:
Depth of Surface Water <u> </u> (in.)
Depth to Free Water <u> </u> (in.)
Depth to Saturated Soil <u> </u> (in.) | |
| Remarks: _____ | |

DATA FORM (Page 2)
ROUTINE WETLAND DETERMINATION
(1987 COE Wetlands Delineation Manual)

| | |
|--------------------------------------------------|------------------------|
| Project Code: <u>Delta - Cooper-Crouse Hinds</u> | Plot ID: <u>A-532p</u> |
| Applicant: <u>Cooper-Crouse Hinds</u> | Photo No.: _____ |

VEGETATION

| Dominant Plant Species | Stratum | Indicator | Dominant Plant Species | Stratum | Indicator |
|--------------------------------------------------------|----------|------------|--------------------------------------------------|---------|-----------|
| 1. <u>Phragmites mth.</u> | <u>S</u> | <u>UPL</u> | 11. _____ | _____ | _____ |
| 2. _____ | _____ | _____ | 12. _____ | _____ | _____ |
| 3. _____ | _____ | _____ | 13. _____ | _____ | _____ |
| 4. _____ | _____ | _____ | 14. _____ | _____ | _____ |
| 5. _____ | _____ | _____ | 15. _____ | _____ | _____ |
| 6. _____ | _____ | _____ | 16. _____ | _____ | _____ |
| 7. _____ | _____ | _____ | 17. _____ | _____ | _____ |
| 8. _____ | _____ | _____ | 18. _____ | _____ | _____ |
| 9. _____ | _____ | _____ | 19. _____ | _____ | _____ |
| 10. _____ | _____ | _____ | 20. _____ | _____ | _____ |
| Percent of Dominant Species that are OBL, FACW, or FAC | | <u>0%</u> | Percent of Dominant Species that are OBL or FACW | | <u>0%</u> |
| Remarks: <u>few Solidago ca. red flowers</u> | | | | | |

WETLAND DETERMINATION

| | |
|-----------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------|
| Hydrophytic Vegetation Present? Yes <input type="radio"/> No <input checked="" type="radio"/> | Hydric Soils Present? Yes <input type="radio"/> No <input checked="" type="radio"/> |
| Wetland Hydrology Present? Yes <input type="radio"/> No <input checked="" type="radio"/> | Is this Sampling Point Within a Wetland? Yes <input type="radio"/> No <input checked="" type="radio"/> |
| Remarks: | |

DATA FORM
ROUTINE WETLAND DETERMINATION
(1987 COE Wetlands Delineation Manual)

| | |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|
| Project Code: <u>Delta - Cooper-Crouse Hinds</u> Investigator(s): <u>BCR</u>
Applicant: <u>Cooper-Crouse Hinds</u> Date: <u>Nov. 14, 2005</u> | Town/City: <u>Salina/Syracuse</u>
County: <u>Onondaga</u>
State: <u>New York</u> |
| Do normal circumstances exist on the site? <input checked="" type="radio"/> Yes <input type="radio"/> No
Is the site significantly disturbed? <input checked="" type="radio"/> Yes <input type="radio"/> No
Is the area a potential Problem Area? Yes <input type="radio"/> No <input checked="" type="radio"/>
(If needed, explain on reverse side) | Community: <u>Udixphain</u>
Wetland ID: <u>B</u>
Plot ID: <u>B-4.024</u> |

SOILS

| | | | |
|--------------------------------------------------|--|------------------------------------------------------------------------------------|--|
| Series and Phase (best fit): <u>WILLIAMSBURG</u> | | Drainage Class: <u>PD - SFD</u> | |
| Subgroup: <u>1</u> | | Slope: <u>mapped as Carlisle muck</u> | |
| | | Confirm Mapped Type? <input checked="" type="radio"/> Yes <input type="radio"/> No | |

| Depth (In.) | Horizon | Matrix Color | Mottles | Texture, Structure, Other |
|----------------|---------|----------------|---------|---------------------------|
| <u>>12"</u> | | <u>10YR3/1</u> | | <u>silty, loamy muck</u> |
| | | | | |
| | | | | |

Hydric Soil Indicators:

| | |
|-----------------------------------------------------------------|-------------------------------------------------------------------------------|
| <input type="checkbox"/> Histisol | <input type="checkbox"/> Concretions |
| <input type="checkbox"/> Histic Epipedon | <input type="checkbox"/> High Organic Content in Surface Layer of Sandy Soils |
| <input type="checkbox"/> Sulfidic Odor | <input type="checkbox"/> Organic Streaking in Sandy Soils |
| <input checked="" type="checkbox"/> Aquic Moisture Regime | <input checked="" type="checkbox"/> Listed on Hydric Soil List |
| <input checked="" type="checkbox"/> Reducing Conditions | <input checked="" type="checkbox"/> Listed on National Hydric Soil List |
| <input checked="" type="checkbox"/> Gleyed or Low Chroma Colors | <input type="checkbox"/> Other (Explain in Remarks) |

Remarks:

HYDROLOGY

| | |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <input checked="" type="checkbox"/> Recorded Data (Describe in Remarks):

<input checked="" type="checkbox"/> Stream, Lake, or Tide Gauge
<input checked="" type="checkbox"/> Aerial Photographs
<input type="checkbox"/> Other

<input type="checkbox"/> No Recorded Data Available | Wetland Hydrology Indicators:
Primary Indicators
<input type="checkbox"/> Inundated
<input checked="" type="checkbox"/> Saturated in Upper 12"
<input type="checkbox"/> Water Marks
<input type="checkbox"/> Drift Lines
<input checked="" type="checkbox"/> Sediment Deposits
<input type="checkbox"/> Drainage Patterns in Wetlands
Secondary Indicators (2 or more required):
<input type="checkbox"/> Oxidized Root Channels in Upper 12"
<input checked="" type="checkbox"/> Water-stained Leaves
<input type="checkbox"/> Local Soil Survey Data
<input type="checkbox"/> FAC Neutral Test
<input type="checkbox"/> Other (Explain in Remarks) |
| Field Observations:
Depth of Surface Water <u>0</u> (in.)
Depth to Free Water <u>12</u> (in.)
Depth to Saturated Soil <u>2</u> (in.) | |
| Remarks: | |

DATA FORM (Page 2)
ROUTINE WETLAND DETERMINATION
(1987 COE Wetlands Delineation Manual)

| | |
|--------------------------------------------------|------------------------|
| Project Code: <u>Delta - Cooper-Crouse Hinds</u> | Plot ID: <u>B41106</u> |
| Applicant: <u>Cooper-Crouse Hinds</u> | Photo No.: <u>7</u> |

VEGETATION

| Dominant Plant Species | Stratum | Indicator | Dominant Plant Species | Stratum | Indicator |
|-------------------------------------------------------------------|----------|-------------|-------------------------------------------------------------|---------|-----------|
| 1. <u>Salix nigra</u> | <u>T</u> | <u>FACW</u> | 11. _____ | _____ | _____ |
| 2. <u>Alliaria petiolata</u> | <u>H</u> | <u>FACW</u> | 12. _____ | _____ | _____ |
| 3. <u>Rorippa nasturtium-aquaticum</u> | <u>H</u> | <u>FACW</u> | 13. _____ | _____ | _____ |
| 4. _____ | _____ | _____ | 14. _____ | _____ | _____ |
| 5. _____ | _____ | _____ | 15. _____ | _____ | _____ |
| 6. _____ | _____ | _____ | 16. _____ | _____ | _____ |
| 7. _____ | _____ | _____ | 17. _____ | _____ | _____ |
| 8. _____ | _____ | _____ | 18. _____ | _____ | _____ |
| 9. _____ | _____ | _____ | 19. _____ | _____ | _____ |
| 10. _____ | _____ | _____ | 20. _____ | _____ | _____ |
| Percent of Dominant Species that are OBL, FACW, or FAC <u>67%</u> | | | Percent of Dominant Species that are OBL or FACW <u>67%</u> | | |
| Remarks: | | | | | |

WETLAND DETERMINATION

| | |
|-----------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------|
| Hydrophytic Vegetation Present? <input checked="" type="radio"/> Yes <input type="radio"/> No | Hydric Soils Present? <input checked="" type="radio"/> Yes <input type="radio"/> No |
| Wetland Hydrology Present? <input checked="" type="radio"/> Yes <input type="radio"/> No | Is this Sampling Point Within a Wetland? <input checked="" type="radio"/> Yes <input type="radio"/> No |
| Remarks: <u>Wetland area is very small</u> | |

DATA FORM
ROUTINE WETLAND DETERMINATION
(1987 COE Wetlands Delineation Manual)

| | |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
| Project Code: <u>Delta - Cooper-Crouse Hinds</u> Investigator(s): <u>BCR</u>
Applicant: <u>Cooper-Crouse Hinds</u> Date: <u>Nov. 14, 2005</u> | Town/City: <u>SalinaSyracuse</u>
County: <u>Onondaga</u>
State: <u>New York</u> |
| Do normal circumstances exist on the site? <input checked="" type="radio"/> Yes <input type="radio"/> No
Is the site significantly disturbed? <input checked="" type="radio"/> Yes <input type="radio"/> No
Is the area a potential Problem Area? Yes <input checked="" type="radio"/> No
(If needed, explain on reverse side) | Community: <u>OF</u>
Wetland ID: <u>B3</u>
Plot ID: <u>B-410</u> |

SOILS

| | | |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------|-----------------------------------------------------------------------------------------------------|
| Series and Phase (best fit): <u>Udorthentic - trash</u> | | Drainage Class: <u>WID</u> |
| Subgroup: _____ | | Slope: <u>3%</u> Confirm Mapped Type? <input checked="" type="radio"/> Yes <input type="radio"/> No |
| Depth (In.) | Horizon | Matrix Color |
| | | Mottles |
| | | Texture, Structure, Other |
| | | |
| Hydric Soil Indicators:
<input type="checkbox"/> Histisol <input type="checkbox"/> Concretions
<input type="checkbox"/> Histic Epipedon <input type="checkbox"/> High Organic Content in Surface Layer of Sandy Soils
<input type="checkbox"/> Sulfidic Odor <input type="checkbox"/> Organic Streaking in Sandy Soils
<input type="checkbox"/> Aquic Moisture Regime <input type="checkbox"/> Listed on Hydric Soil List
<input type="checkbox"/> Reducing Conditions <input type="checkbox"/> Listed on National Hydric Soil List
<input type="checkbox"/> Gleyed or Low Chroma Colors <input type="checkbox"/> Other (Explain in Remarks) | | |
| Remarks: <u>steep slope to wetland - edge of fill</u> | | |

HYDROLOGY

| | |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <input checked="" type="checkbox"/> Recorded Data (Describe in Remarks):

<input type="checkbox"/> Stream, Lake, or Tide Gauge
<input type="checkbox"/> Aerial Photographs
<input type="checkbox"/> Other

<input type="checkbox"/> No Recorded Data Available | Wetland Hydrology Indicators:
Primary Indicators
<input type="checkbox"/> Inundated
<input type="checkbox"/> Saturated in Upper 12"
<input type="checkbox"/> Water Marks
<input type="checkbox"/> Drift Lines
<input type="checkbox"/> Sediment Deposits
<input type="checkbox"/> Drainage Patterns in Wetlands
Secondary Indicators (2 or more required):
<input type="checkbox"/> Oxidized Root Channels in Upper 12"
<input type="checkbox"/> Water-stained Leaves
<input type="checkbox"/> Local Soil Survey Data
<input type="checkbox"/> FAC Neutral Test
<input type="checkbox"/> Other (Explain in Remarks) |
| Field Observations:
Depth of Surface Water <u>0</u> (in.)
Depth to Free Water <u>0</u> (in.)
Depth to Saturated Soil <u>0</u> (in.) | |
| Remarks: | |

DATA FORM (Page 2)
ROUTINE WETLAND DETERMINATION
(1987 COE Wetlands Delineation Manual)

| | |
|--------------------------------------------------|-----------------------|
| Project Code: <u>Delta - Cooper-Crouse Hinds</u> | Plot ID: <u>B-400</u> |
| Applicant: <u>Cooper-Crouse Hinds</u> | Photo No.: <u>8</u> |

VEGETATION

| Dominant Plant Species | Stratum | Indicator | Dominant Plant Species | Stratum | Indicator |
|--------------------------------------------------------|----------|-------------|--------------------------------------------------|---------|------------|
| 1. <u>Scirpus viridulus</u> | <u>H</u> | <u>EMU</u> | 11. _____ | _____ | _____ |
| 2. <u>Phragmites australis</u> | <u>H</u> | <u>FACW</u> | 12. _____ | _____ | _____ |
| 3. <u>Arthrocnemum minus</u> | <u>H</u> | <u>FACW</u> | 13. _____ | _____ | _____ |
| 4. _____ | _____ | _____ | 14. _____ | _____ | _____ |
| 5. _____ | _____ | _____ | 15. _____ | _____ | _____ |
| 6. _____ | _____ | _____ | 16. _____ | _____ | _____ |
| 7. _____ | _____ | _____ | 17. _____ | _____ | _____ |
| 8. _____ | _____ | _____ | 18. _____ | _____ | _____ |
| 9. _____ | _____ | _____ | 19. _____ | _____ | _____ |
| 10. _____ | _____ | _____ | 20. _____ | _____ | _____ |
| Percent of Dominant Species that are OBL, FACW, or FAC | | <u>33%</u> | Percent of Dominant Species that are OBL or FACW | | <u>33%</u> |
| Remarks: | | | | | |

WETLAND DETERMINATION

| | |
|--------------------------------------------------|-----------------------------------------------------------|
| Hydrophytic Vegetation Present? Yes <u>No</u> | Hydric Soils Present? Yes <u>No</u> |
| Wetland Hydrology Present? Yes <u>No</u> | Is this Sampling Point Within a Wetland? Yes <u>No</u> |
| Remarks: | |

DATA FORM
ROUTINE WETLAND DETERMINATION
(1987 COE Wetlands Delineation Manual)

| | |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|
| Project Code: <u>Delta - Cooper-Crouse Hinds</u> Investigator(s): <u>BCR</u>
Applicant: <u>Cooper-Crouse Hinds</u> Date: <u>Nov. 14, 2005</u> | Town/City: <u>Salina/Syracuse</u>
County: <u>Onondaga</u>
State: <u>New York</u> |
| Do normal circumstances exist on the site? <input checked="" type="radio"/> Yes <input type="radio"/> No
Is the site significantly disturbed? <input checked="" type="radio"/> Yes <input type="radio"/> No
Is the area a potential Problem Area? <input type="radio"/> Yes <input checked="" type="radio"/> No
(If needed, explain on reverse side) | Community: <u>EX1</u>
Wetland ID: <u>B</u>
Plot ID: <u>B-17 wet</u> |

SOILS

| | | | |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------|------------------------------------------------------------------------------------|----------------------------------------|
| Series and Phase (best fit): <u>FLUVAQUENTS - nappal</u> | | Drainage Class: <u>PD - SFD</u> | |
| Subgroup: _____ | | Slope: _____ | |
| | | Confirm Mapped Type? <input checked="" type="radio"/> Yes <input type="radio"/> No | |
| Depth
(In.) | Horizon | Matrix
Color | Mottles Texture, Structure, Other |
| <u>712'</u> | | <u>10YR 8/1</u> | <u>silty loamy muck</u> |
| | | | |
| | | | |
| Hydric Soil Indicators:
<input type="checkbox"/> Histisol <input type="checkbox"/> Concretions
<input type="checkbox"/> Histic Epipedon <input type="checkbox"/> High Organic Content in Surface Layer of Sandy Soils
<input type="checkbox"/> Sulfidic Odor <input type="checkbox"/> Organic Streaking in Sandy Soils
<input checked="" type="checkbox"/> Aquic Moisture Regime <input checked="" type="checkbox"/> Listed on Hydric Soil List
<input checked="" type="checkbox"/> Reducing Conditions <input checked="" type="checkbox"/> Listed on National Hydric Soil List
<input checked="" type="checkbox"/> Gleyed or Low Chroma Colors <input type="checkbox"/> Other (Explain in Remarks) | | | |
| Remarks: _____ | | | |

HYDROLOGY

| | |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <input checked="" type="checkbox"/> Recorded Data (Describe in Remarks):

<input checked="" type="checkbox"/> Stream, Lake, or Tide Gauge
<input checked="" type="checkbox"/> Aerial Photographs
<input type="checkbox"/> Other

<input type="checkbox"/> No Recorded Data Available | Wetland Hydrology Indicators:
Primary Indicators
<input checked="" type="checkbox"/> Inundated
<input checked="" type="checkbox"/> Saturated in Upper 12"
<input type="checkbox"/> Water Marks
<input type="checkbox"/> Drift Lines
<input type="checkbox"/> Sediment Deposits
<input type="checkbox"/> Drainage Patterns in Wetlands
Secondary Indicators (2 or more required):
<input type="checkbox"/> Oxidized Root Channels in Upper 12"
<input checked="" type="checkbox"/> Water-stained Leaves
<input type="checkbox"/> Local Soil Survey Data
<input type="checkbox"/> FAC Neutral Test
<input type="checkbox"/> Other (Explain in Remarks) |
| Field Observations:
Depth of Surface Water <u>1</u> (in.)
Depth to Free Water <u> </u> (in.)
Depth to Saturated Soil <u>24</u> (in.)
<u>24 in</u> | |
| Remarks: _____ | |

DATA FORM (Page 2)
ROUTINE WETLAND DETERMINATION
(1987 COE Wetlands Delineation Manual)

| | |
|--------------------------------------------------|-------------------------|
| Project Code: <u>Delta - Cooper-Crouse Hinds</u> | Plot ID: <u>B-17002</u> |
| Applicant: <u>Cooper-Crouse Hinds</u> | Photo No.: _____ |

VEGETATION

| Dominant Plant Species | Stratum | Indicator | Dominant Plant Species | Stratum | Indicator |
|--------------------------------|----------|-------------|------------------------|---------|-----------|
| 1. <u>Phragmites australis</u> | <u>H</u> | <u>FOUW</u> | 11. _____ | _____ | _____ |
| 2. <u>Populus deltoides</u> | _____ | <u>FOUW</u> | 12. _____ | _____ | _____ |
| 3. <u>G. m. ides</u> | _____ | _____ | 13. _____ | _____ | _____ |
| 4. _____ | _____ | _____ | 14. _____ | _____ | _____ |
| 5. _____ | _____ | _____ | 15. _____ | _____ | _____ |
| 6. _____ | _____ | _____ | 16. _____ | _____ | _____ |
| 7. _____ | _____ | _____ | 17. _____ | _____ | _____ |
| 8. _____ | _____ | _____ | 18. _____ | _____ | _____ |
| 9. _____ | _____ | _____ | 19. _____ | _____ | _____ |
| 10. _____ | _____ | _____ | 20. _____ | _____ | _____ |

Percent of Dominant Species that are OBL, FACW, or FAC 100%

Percent of Dominant Species that are OBL or FACW 100%

Remarks: Salix rigida near this data point

WETLAND DETERMINATION

| | |
|-----------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------|
| Hydrophytic Vegetation Present? <input checked="" type="radio"/> Yes <input type="radio"/> No | Hydric Soils Present? <input checked="" type="radio"/> Yes <input type="radio"/> No |
| Wetland Hydrology Present? <input checked="" type="radio"/> Yes <input type="radio"/> No | Is this Sampling Point Within a Wetland? <input checked="" type="radio"/> Yes <input type="radio"/> No |
| Remarks: | |

DATA FORM
ROUTINE WETLAND DETERMINATION
(1987 COE Wetlands Delineation Manual)

| | |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
| Project Code: <u>Delta - Cooper-Crouse Hinds</u> Investigator(s): <u>BCR</u>
Applicant: <u>Cooper-Crouse Hinds</u> Date: <u>Nov. 14, 2005</u> | Town/City: <u>SalinaSyracuse</u>
County: <u>Onondaga</u>
State: <u>New York</u> |
| Do normal circumstances exist on the site? <input checked="" type="radio"/> Yes <input type="radio"/> No
Is the site significantly disturbed? <input checked="" type="radio"/> Yes <input type="radio"/> No
Is the area a potential Problem Area? <input type="radio"/> Yes <input checked="" type="radio"/> No
(If needed, explain on reverse side) | Community: <u>DE</u>
Wetland ID: <u>B</u>
Plot ID: <u>B-1240</u> |

SOILS

| | | |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------|-----------------------------------------------------------------------------------------------------|
| Series and Phase (best fit): <u>Udonthents - trash</u> | | Drainage Class: <u>WD</u> |
| Subgroup: _____ | | Slope: <u>2%</u> Confirm Mapped Type? <input checked="" type="radio"/> Yes <input type="radio"/> No |
| Depth
(In.) | Horizon | Matrix
Color |
| | | Mottles |
| | | Texture, Structure, Other |
| | | |
| Hydric Soil Indicators:
<input type="checkbox"/> Histisol <input type="checkbox"/> Concretions
<input type="checkbox"/> Histic Epipedon <input type="checkbox"/> High Organic Content in Surface Layer of Sandy Soils
<input type="checkbox"/> Sulfidic Odor <input type="checkbox"/> Organic Streaking in Sandy Soils
<input type="checkbox"/> Aquic Moisture Regime <input type="checkbox"/> Listed on Hydric Soil List
<input type="checkbox"/> Reducing Conditions <input type="checkbox"/> Listed on National Hydric Soil List
<input type="checkbox"/> Gleyed or Low Chroma Colors <input type="checkbox"/> Other (Explain in Remarks) | | |
| Remarks: | | |

HYDROLOGY

| | |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <u>Recorded Data (Describe in Remarks):</u>
<input type="checkbox"/> Stream, Lake, or Tide Gauge
<input type="checkbox"/> Aerial Photographs
<input type="checkbox"/> Other
<input type="checkbox"/> No Recorded Data Available | Wetland Hydrology Indicators:
Primary Indicators
<input type="checkbox"/> Inundated
<input type="checkbox"/> Saturated in Upper 12"
<input type="checkbox"/> Water Marks
<input type="checkbox"/> Drift Lines
<input type="checkbox"/> Sediment Deposits
<input type="checkbox"/> Drainage Patterns in Wetlands
Secondary Indicators (2 or more required):
<input type="checkbox"/> Oxidized Root Channels in Upper 12"
<input type="checkbox"/> Water-stained Leaves
<input type="checkbox"/> Local Soil Survey Data
<input type="checkbox"/> FAC Neutral Test
<input type="checkbox"/> Other (Explain in Remarks) |
| Field Observations:
Depth of Surface Water <u>0</u> (in.)
Depth to Free Water <u>0</u> (in.)
Depth to Saturated Soil <u>0</u> (in.) | |
| Remarks: | |

DATA FORM (Page 2)
ROUTINE WETLAND DETERMINATION
(1987 COE Wetlands Delineation Manual)

| | |
|--------------------------------------------------|------------------------|
| Project Code: <u>Delta - Cooper-Crouse Hinds</u> | Plot ID: <u>B-17UP</u> |
| Applicant: <u>Cooper-Crouse Hinds</u> | Photo No.: <u>9</u> |

VEGETATION

| Dominant Plant Species | Stratum | Indicator | Dominant Plant Species | Stratum | Indicator |
|--------------------------------------------------------|----------|-------------|--------------------------------------------------|---------|------------|
| 1. <u>Populus deltoides</u> | <u>T</u> | <u>FACW</u> | 11. _____ | _____ | _____ |
| 2. <u>Rhynchospora</u> | <u>S</u> | <u>UPL</u> | 12. _____ | _____ | _____ |
| 3. _____ | _____ | _____ | 13. _____ | _____ | _____ |
| 4. _____ | _____ | _____ | 14. _____ | _____ | _____ |
| 5. _____ | _____ | _____ | 15. _____ | _____ | _____ |
| 6. _____ | _____ | _____ | 16. _____ | _____ | _____ |
| 7. _____ | _____ | _____ | 17. _____ | _____ | _____ |
| 8. _____ | _____ | _____ | 18. _____ | _____ | _____ |
| 9. _____ | _____ | _____ | 19. _____ | _____ | _____ |
| 10. _____ | _____ | _____ | 20. _____ | _____ | _____ |
| Percent of Dominant Species that are OBL, FACW, or FAC | | <u>50%</u> | Percent of Dominant Species that are OBL or FACW | | <u>50%</u> |
| Remarks: | | | | | |

WETLAND DETERMINATION

| | |
|-----------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------|
| Hydrophytic Vegetation Present? Yes <input type="radio"/> No <input checked="" type="radio"/> | Hydric Soils Present? Yes <input type="radio"/> No <input checked="" type="radio"/> |
| Wetland Hydrology Present? Yes <input type="radio"/> No <input checked="" type="radio"/> | Is this Sampling Point Within a Wetland? Yes <input type="radio"/> No <input checked="" type="radio"/> |
| Remarks: <u>topography is not a wetland</u> | |

DATA FORM
ROUTINE WETLAND DETERMINATION
(1987 COE Wetlands Delineation Manual)

| | |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|
| Project Code: <u>Delta - Cooper-Crouse Hinds</u> Investigator(s): <u>BCR</u>
Applicant: <u>Cooper-Crouse Hinds</u> Date: <u>Nov. 14, 2005</u> | Town/City: <u>Salina/Syracuse</u>
County: <u>Onondaga</u>
State: <u>New York</u> |
| Do normal circumstances exist on the site? <input checked="" type="radio"/> Yes <input type="radio"/> No
Is the site significantly disturbed? <input checked="" type="radio"/> Yes <input type="radio"/> No
Is the area a potential Problem Area? <input type="radio"/> Yes <input checked="" type="radio"/> No
(If needed, explain on reverse side) | Community: <u>FYI</u>
Wetland ID: <u>C</u>
Plot ID: <u>C-10Wet</u> |

SOILS

| | | |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------|-----------------------------------------------------------------------------------------------------|
| Series and Phase (best fit): <u>Uapped as Made Land</u> | | Drainage Class: <u>UD</u> |
| Subgroup: _____ | | Slope: <u>1%</u> Confirm Mapped Type? Yes <input type="radio"/> No <input checked="" type="radio"/> |
| Depth (In.) | Horizon | Matrix Color |
| | | Mottles |
| | | Texture, Structure, Other |
| | | <u>Fluvagentic</u> |
| | | <u>silty loam</u> |
| Hydric Soil Indicators:
<input type="checkbox"/> Histisol <input type="checkbox"/> Concretions
<input type="checkbox"/> Histic Epipedon <input type="checkbox"/> High Organic Content in Surface Layer of Sandy Soils
<input type="checkbox"/> Sulfidic Odor <input type="checkbox"/> Organic Streaking in Sandy Soils
<input type="checkbox"/> Aquic Moisture Regime <input type="checkbox"/> Listed on Hydric Soil List
<input type="checkbox"/> Reducing Conditions <input type="checkbox"/> Listed on National Hydric Soil List
<input type="checkbox"/> Gleyed or Low Chroma Colors <input type="checkbox"/> Other (Explain in Remarks) | | |
| Remarks: _____ | | |

HYDROLOGY

| | |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <input checked="" type="checkbox"/> Recorded Data (Describe in Remarks):
<input type="checkbox"/> Stream, Lake, or Tide Gauge
<input checked="" type="checkbox"/> Aerial Photographs
<input type="checkbox"/> Other
<input type="checkbox"/> No Recorded Data Available | Wetland Hydrology Indicators:
Primary Indicators
<input checked="" type="checkbox"/> Inundated
<input checked="" type="checkbox"/> Saturated in Upper 12"
<input type="checkbox"/> Water Marks
<input type="checkbox"/> Drift Lines
<input type="checkbox"/> Sediment Deposits
<input checked="" type="checkbox"/> Drainage Patterns in Wetlands
Secondary Indicators (2 or more required):
<input type="checkbox"/> Oxidized Root Channels in Upper 12"
<input type="checkbox"/> Water-stained Leaves
<input type="checkbox"/> Local Soil Survey Data
<input type="checkbox"/> FAC Neutral Test
<input type="checkbox"/> Other (Explain in Remarks) |
| Field Observations:
Depth of Surface Water <u>7</u> (in.)
Depth to Free Water <u>1</u> (in.)
Depth to Saturated Soil <u>1 1/2</u> (in.)
<u>See page</u> | |
| Remarks: _____ | |

DATA FORM (Page 2)
ROUTINE WETLAND DETERMINATION
(1987 COE Wetlands Delineation Manual)

| | |
|--------------------------------------------------|--------------------------|
| Project Code: <u>Delta - Cooper-Crouse Hinds</u> | Plot ID: <u>C-10 wet</u> |
| Applicant: <u>Cooper-Crouse Hinds</u> | Photo No.: <u>16512</u> |

VEGETATION

| Dominant Plant Species | Stratum | Indicator | Dominant Plant Species | Stratum | Indicator |
|--------------------------------------------------------|---------|-------------|--------------------------------------------------|---------|-------------|
| 1. <u>Phragmites australis</u> | | <u>FACW</u> | 11. _____ | | |
| 2. _____ | | | 12. _____ | | |
| 3. _____ | | | 13. _____ | | |
| 4. _____ | | | 14. _____ | | |
| 5. _____ | | | 15. _____ | | |
| 6. _____ | | | 16. _____ | | |
| 7. _____ | | | 17. _____ | | |
| 8. _____ | | | 18. _____ | | |
| 9. _____ | | | 19. _____ | | |
| 10. _____ | | | 20. _____ | | |
| Percent of Dominant Species that are OBL, FACW, or FAC | | <u>100%</u> | Percent of Dominant Species that are OBL or FACW | | <u>100%</u> |
| Remarks: | | | | | |

WETLAND DETERMINATION

| | |
|-----------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------|
| Hydrophytic Vegetation Present? <input checked="" type="radio"/> Yes <input type="radio"/> No | Hydric Soils Present? <input checked="" type="radio"/> Yes <input type="radio"/> No |
| Wetland Hydrology Present? <input checked="" type="radio"/> Yes <input type="radio"/> No | Is this Sampling Point Within a Wetland? <input checked="" type="radio"/> Yes <input type="radio"/> No |
| Remarks: <u>steep bank slope off into wetland</u> | |

DATA FORM
ROUTINE WETLAND DETERMINATION
(1987 COE Wetlands Delineation Manual)

| | |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
| Project Code: <u>Delta - Cooper-Crouse Hinds</u> Investigator(s): <u>BCR</u>
Applicant: <u>Cooper-Crouse Hinds</u> Date: <u>Nov. 14, 2005</u> | Town/City: <u>SalinaSyracuse</u>
County: <u>Onondaga</u>
State: <u>New York</u> |
| Do normal circumstances exist on the site? <input checked="" type="radio"/> Yes <input type="radio"/> No
Is the site significantly disturbed? <input checked="" type="radio"/> Yes <input type="radio"/> No
Is the area a potential Problem Area? <input type="radio"/> Yes <input checked="" type="radio"/> No
(If needed, explain on reverse side) | Community: <u>DELS</u>
Wetland ID: <u>6</u>
Plot ID: <u>C-1000</u> |

SOILS

| | | | | |
|-----------------------------------------------------------------------------------|---------|-------------------|---------|------------------------------------------------------------------------------------|
| Series and Phase (best fit): <u>Udollsults - RR BOW</u> Drainage Class: <u>UD</u> | | | | |
| Subgroup: _____ | | Slope: <u>30%</u> | | Confirm Mapped Type? <input checked="" type="radio"/> Yes <input type="radio"/> No |
| Depth
(In.) | Horizon | Matrix
Color | Mottles | Texture, Structure, Other |
| | | | | |
| | | | | |
| | | | | |

| | |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Hydric Soil Indicators:
<input type="checkbox"/> Histisol
<input type="checkbox"/> Histic Epipedon
<input type="checkbox"/> Sulfidic Odor
<input type="checkbox"/> Aquic Moisture Regime
<input type="checkbox"/> Reducing Conditions
<input type="checkbox"/> Gleyed or Low Chroma Colors | <input type="checkbox"/> Concretions
<input type="checkbox"/> High Organic Content in Surface Layer of Sandy Soils
<input type="checkbox"/> Organic Streaking in Sandy Soils
<input type="checkbox"/> Listed on Hydric Soil List
<input type="checkbox"/> Listed on National Hydric Soil List
<input type="checkbox"/> Other (Explain in Remarks) |
| Remarks: | |

HYDROLOGY

| | |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <input checked="" type="checkbox"/> Recorded Data (Describe in Remarks):

<input type="checkbox"/> Stream, Lake, or Tide Gauge
<input checked="" type="checkbox"/> Aerial Photographs
<input type="checkbox"/> Other

<input type="checkbox"/> No Recorded Data Available | Wetland Hydrology Indicators:
Primary Indicators
<input type="checkbox"/> Inundated
<input type="checkbox"/> Saturated in Upper 12"
<input type="checkbox"/> Water Marks
<input type="checkbox"/> Drift Lines
<input type="checkbox"/> Sediment Deposits
<input type="checkbox"/> Drainage Patterns in Wetlands
Secondary Indicators (2 or more required):
<input type="checkbox"/> Oxidized Root Channels in Upper 12"
<input type="checkbox"/> Water-stained Leaves
<input type="checkbox"/> Local Soil Survey Data
<input type="checkbox"/> FAC Neutral Test
<input type="checkbox"/> Other (Explain in Remarks) |
| Field Observations:
Depth of Surface Water <u>0</u> (in.)
Depth to Free Water <u>0</u> (in.)
Depth to Saturated Soil <u>0</u> (in.) | |
| Remarks: | |

| | |
|--------------------------------------------------|------------------------|
| Project Code: <u>Delta - Cooper-Crouse Hinds</u> | Plot ID: <u>C-104P</u> |
| Applicant: <u>Cooper-Crouse Hinds</u> | Photo No.: <u>183</u> |

| Dominant Plant Species | Stratum | Indicator | Dominant Plant Species | Stratum | Indicator |
|--------------------------------|---------|-----------|------------------------|---------|-----------|
| 1. <i>Onoclea sensibilis</i> | T | FACW | 11. _____ | _____ | _____ |
| 2. <i>Poa annua</i> | T | FACW | 12. _____ | _____ | _____ |
| 3. <i>Phytolacca americana</i> | UPL | _____ | 13. _____ | _____ | _____ |
| 4. <i>Urtica dioica</i> | H | FACW | 14. _____ | _____ | _____ |
| 5. _____ | _____ | _____ | 15. _____ | _____ | _____ |
| 6. _____ | _____ | _____ | 16. _____ | _____ | _____ |
| 7. _____ | _____ | _____ | 17. _____ | _____ | _____ |
| 8. _____ | _____ | _____ | 18. _____ | _____ | _____ |
| 9. _____ | _____ | _____ | 19. _____ | _____ | _____ |
| 10. _____ | _____ | _____ | 20. _____ | _____ | _____ |

Percent of Dominant Species that are OBL, FACW, or FAC _____ 50%

Percent of Dominant Species that are OBL or FACW _____ 50%

Remarks:

| | | | | | |
|---------------------------------|-----|-------------------------------------|------------------------------------------|-----|-------------------------------------|
| Hydrophytic Vegetation Present? | Yes | <input checked="" type="radio"/> No | Hydric Soils Present? | Yes | <input checked="" type="radio"/> No |
| Wetland Hydrology Present? | Yes | <input checked="" type="radio"/> No | Is this Sampling Point Within a Wetland? | Yes | <input checked="" type="radio"/> No |
| Remarks: | | | | | |

DATA FORM
ROUTINE WETLAND DETERMINATION
(1987 COE Wetlands Delineation Manual)

| | |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
| Project Code: <u>Delta - Cooper-Crouse Hinds</u> Investigator(s): <u>BCR</u>
Applicant: <u>Cooper-Crouse Hinds</u> Date: <u>Nov. 14, 2005</u> | Town/City: <u>SalinaSyracuse</u>
County: <u>Onondaga</u>
State: <u>New York</u> |
| Do normal circumstances exist on the site? <input checked="" type="radio"/> Yes <input type="radio"/> No
Is the site significantly disturbed? <input checked="" type="radio"/> Yes <input type="radio"/> No
Is the area a potential Problem Area? <input type="radio"/> Yes <input checked="" type="radio"/> No
(If needed, explain on reverse side) | Community: <u>FAI</u>
Wetland ID: <u>C</u>
Plot ID: <u>C-18 wet</u> |

SOILS

| | | |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|-------------------------------------------------------------------------------|
| Series and Phase (best fit): <u>Mappes as Mude Land</u> | | Drainage Class: <u>PD</u> |
| Subgroup: _____ | | Slope: <u>1%</u> Confirm Mapped Type? Yes <input checked="" type="radio"/> No |
| Depth (In.) | Horizon | Matrix Color |
| >12" | 10YR 2/1 | Mottles |
| | | Texture, Structure, Other |
| | | mix of silty clay mud |
| Hydric Soil Indicators:
<input type="checkbox"/> Histisol <input type="checkbox"/> Concretions
<input type="checkbox"/> Histic Epipedon <input type="checkbox"/> High Organic Content in Surface Layer of Sandy Soils
<input type="checkbox"/> Sulfidic Odor <input type="checkbox"/> Organic Streaking in Sandy Soils
<input checked="" type="checkbox"/> Aquic Moisture Regime <input type="checkbox"/> Listed on Hydric Soil List
<input checked="" type="checkbox"/> Reducing Conditions <input type="checkbox"/> Listed on National Hydric Soil List
<input checked="" type="checkbox"/> Gleyed or Low Chroma Colors <input type="checkbox"/> Other (Explain in Remarks) | | |
| Remarks: | | |

HYDROLOGY

| | |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <input checked="" type="checkbox"/> Recorded Data (Describe in Remarks):
<input type="checkbox"/> Stream, Lake, or Tide Gauge
<input checked="" type="checkbox"/> Aerial Photographs
<input type="checkbox"/> Other
<input type="checkbox"/> No Recorded Data Available | Wetland Hydrology Indicators:
Primary Indicators
<input type="checkbox"/> Inundated
<input checked="" type="checkbox"/> Saturated in Upper 12"
<input type="checkbox"/> Water Marks
<input type="checkbox"/> Drift Lines
<input type="checkbox"/> Sediment Deposits
<input checked="" type="checkbox"/> Drainage Patterns in Wetlands
Secondary Indicators (2 or more required):
<input type="checkbox"/> Oxidized Root Channels in Upper 12"
<input type="checkbox"/> Water-stained Leaves
<input type="checkbox"/> Local Soil Survey Data
<input type="checkbox"/> FAC Neutral Test
<input type="checkbox"/> Other (Explain in Remarks) |
| Field Observations:
Depth of Surface Water <u>0</u> (in.)
Depth to Free Water <u>8</u> (in.)
Depth to Saturated Soil <u>2</u> (in.) | |
| Remarks: | |

DATA FORM (Page 2)
ROUTINE WETLAND DETERMINATION
(1987 COE Wetlands Delineation Manual)

| | |
|--------------------------------------------------|--------------------------|
| Project Code: <u>Delta - Cooper-Crouse Hinds</u> | Plot ID: <u>C-13 wet</u> |
| Applicant: <u>Cooper-Crouse Hinds</u> | Photo No.: _____ |

VEGETATION

| Dominant Plant Species | Stratum | Indicator | Dominant Plant Species | Stratum | Indicator |
|--------------------------------------------------------|----------|--------------|--------------------------------------------------|---------|-------------|
| 1. <u>Typha angustifolia</u> | <u>0</u> | <u>H OBL</u> | 11. _____ | _____ | _____ |
| 2. _____ | _____ | _____ | 12. _____ | _____ | _____ |
| 3. _____ | _____ | _____ | 13. _____ | _____ | _____ |
| 4. _____ | _____ | _____ | 14. _____ | _____ | _____ |
| 5. _____ | _____ | _____ | 15. _____ | _____ | _____ |
| 6. _____ | _____ | _____ | 16. _____ | _____ | _____ |
| 7. _____ | _____ | _____ | 17. _____ | _____ | _____ |
| 8. _____ | _____ | _____ | 18. _____ | _____ | _____ |
| 9. _____ | _____ | _____ | 19. _____ | _____ | _____ |
| 10. _____ | _____ | _____ | 20. _____ | _____ | _____ |
| Percent of Dominant Species that are OBL, FACW, or FAC | | <u>100%</u> | Percent of Dominant Species that are OBL or FACW | | <u>100%</u> |
| Remarks: <u>Surrounded by Phragmites australis</u> | | | | | |

WETLAND DETERMINATION

| | |
|-----------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------|
| Hydrophytic Vegetation Present? <input checked="" type="radio"/> Yes <input type="radio"/> No | Hydric Soils Present? <input checked="" type="radio"/> Yes <input type="radio"/> No |
| Wetland Hydrology Present? <input checked="" type="radio"/> Yes <input type="radio"/> No | Is this Sampling Point Within a Wetland? <input checked="" type="radio"/> Yes <input type="radio"/> No |
| Remarks: | |

DATA FORM
ROUTINE WETLAND DETERMINATION
(1987 COE Wetlands Delineation Manual)

| | |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------|
| Project Code: <u>Delta - Cooper-Crouse Hinds</u> Investigator(s): <u>BCR</u>
Applicant: <u>Cooper-Crouse Hinds</u> Date: <u>Nov. 14, 2005</u> | Town/City: <u>Salina</u>
County: <u>Syracuse</u>
State: <u>New York</u> |
| Do normal circumstances exist on the site? <input checked="" type="radio"/> Yes <input type="radio"/> No
Is the site significantly disturbed? <input checked="" type="radio"/> Yes <input type="radio"/> No
Is the area a potential Problem Area? <input type="radio"/> Yes <input checked="" type="radio"/> No
(If needed, explain on reverse side) | Community: <u>SLYDE</u>
Wetland ID: <u>C</u>
Plot ID: <u>C-18 up</u> |

SOILS

| | | |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------|------------------------------------------------------------------------------------|
| Series and Phase (best fit): <u>Lldm Wetlands - Marsh</u> | | Drainage Class: <u>WID</u> |
| Subgroup: _____ | | Slope: <u>2° to</u> |
| | | Confirm Mapped Type? <input checked="" type="radio"/> Yes <input type="radio"/> No |
| Depth (In.) | Horizon | Matrix Color |
| | | Mottles |
| | | Texture, Structure, Other |
| | | |
| | | |
| | | |
| Hydric Soil Indicators:
<input type="checkbox"/> Histisol <input type="checkbox"/> Concretions
<input type="checkbox"/> Histic Epipedon <input type="checkbox"/> High Organic Content in Surface Layer of Sandy Soils
<input type="checkbox"/> Sulfidic Odor <input type="checkbox"/> Organic Streaking in Sandy Soils
<input type="checkbox"/> Aquic Moisture Regime <input type="checkbox"/> Listed on Hydric Soil List
<input type="checkbox"/> Reducing Conditions <input type="checkbox"/> Listed on National Hydric Soil List
<input type="checkbox"/> Gleyed or Low Chroma Colors <input type="checkbox"/> Other (Explain in Remarks) | | |
| Remarks: <u>steep slope into wetland</u> | | |

HYDROLOGY

| | |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <input checked="" type="checkbox"/> Recorded Data (Describe in Remarks):

<input type="checkbox"/> Stream, Lake, or Tide Gauge
<input checked="" type="checkbox"/> Aerial Photographs
<input type="checkbox"/> Other

<input type="checkbox"/> No Recorded Data Available | Wetland Hydrology Indicators:
Primary Indicators
<input type="checkbox"/> Inundated
<input type="checkbox"/> Saturated in Upper 12"
<input type="checkbox"/> Water Marks
<input type="checkbox"/> Drift Lines
<input type="checkbox"/> Sediment Deposits
<input type="checkbox"/> Drainage Patterns in Wetlands
Secondary Indicators (2 or more required):
<input type="checkbox"/> Oxidized Root Channels in Upper 12"
<input type="checkbox"/> Water-stained Leaves
<input type="checkbox"/> Local Soil Survey Data
<input type="checkbox"/> FAC Neutral Test
<input type="checkbox"/> Other (Explain in Remarks) |
| Field Observations:
Depth of Surface Water <u>0</u> (in.)
Depth to Free Water <u>0</u> (in.)
Depth to Saturated Soil <u>0</u> (in.) | |
| Remarks: _____ | |

DATA FORM (Page 2)
ROUTINE WETLAND DETERMINATION
(1987 COE Wetlands Delineation Manual)

| | |
|--------------------------------------------------|------------------------|
| Project Code: <u>Delta - Cooper-Crouse Hinds</u> | Plot ID: <u>C-1340</u> |
| Applicant: <u>Cooper-Crouse Hinds</u> | Photo No.: _____ |

VEGETATION

| Dominant Plant Species | Stratum | Indicator | Dominant Plant Species | Stratum | Indicator |
|-------------------------------------------------------------------|----------|-------------|-------------------------------------------------------------|---------|-----------|
| 1. <u>Ailanthus alt.</u> | <u>T</u> | <u>FACW</u> | 11. _____ | _____ | _____ |
| 2. <u>Solidago</u> | <u>T</u> | <u>FACW</u> | 12. _____ | _____ | _____ |
| 3. <u>Phytolacca anel.</u> | <u>L</u> | <u>FACW</u> | 13. _____ | _____ | _____ |
| 4. <u>Alliaria petiolata</u> | _____ | <u>FACW</u> | 14. _____ | _____ | _____ |
| 5. <u>Vitis riparia</u> | <u>V</u> | <u>FACW</u> | 15. _____ | _____ | _____ |
| 6. _____ | _____ | _____ | 16. _____ | _____ | _____ |
| 7. _____ | _____ | _____ | 17. _____ | _____ | _____ |
| 8. _____ | _____ | _____ | 18. _____ | _____ | _____ |
| 9. _____ | _____ | _____ | 19. _____ | _____ | _____ |
| 10. _____ | _____ | _____ | 20. _____ | _____ | _____ |
| Percent of Dominant Species that are OBL, FACW, or FAC <u>40%</u> | | | Percent of Dominant Species that are OBL or FACW <u>40%</u> | | |
| Remarks: | | | | | |

WETLAND DETERMINATION

| | |
|-----------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------|
| Hydrophytic Vegetation Present? Yes <input type="radio"/> No <input checked="" type="radio"/> | Hydric Soils Present? Yes <input type="radio"/> No <input checked="" type="radio"/> |
| Wetland Hydrology Present? Yes <input type="radio"/> No <input checked="" type="radio"/> | Is this Sampling Point Within a Wetland? Yes <input type="radio"/> No <input checked="" type="radio"/> |
| Remarks: | |

ATTACHMENT 6

MISCELLANEOUS CORRESPONDENCE



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104 Jamesville Road
Syracuse, New York 13214 USA
315.445.0224 800.477.7411
Fax 315.445.0793

27 March 2006

Richard A. Mustico, P.E.
New York State Department of Environmental Conservation
Division of Environmental Remediation
Bureau of Central Remedial Action, 12th Floor
625 Broadway
Albany, New York 12233-7016

Re: Groundwater Sampling Data – Phenol Results
Crouse-Hinds Facility, Syracuse, NY
Site No. 7-34-049
Delta Project No. 0310025P

Dear Mr. Mustico:

On 22 March 2006, Mr. Michael O'Brien of Cooper Industries, Inc. (Cooper) indicated to Delta Environmental Consultants (Delta) that you had expressed a concern to him with regards to the analytical data for groundwater samples that were collected at the subject site in November 2005. Specifically, there was a concern with the variability in the reported results for total recoverable phenolic compounds between the November 2005 and July 2004 groundwater sampling data. Delta has reviewed the analytical methods, analytical data packages, validation reports, and analytical data and offers the following analysis.

Analytical Methodology

Groundwater samples collected during the July 2004 and November 2005 sampling events were analyzed for toxic compound list (TCL) semi-volatile organic compounds (SVOCs) by EPA Method 8270, which is gas chromatography/mass spectrometer methodology that identifies and quantifies individual analytes. Included in the list of analytes detected by the 8270 method are fourteen phenolic compounds including; phenol, 2-chlorophenol, 2-methylphenol, 4-methylphenol, 2-nitrophenol, 2,4-dimethylphenol, 2,4-dichlorophenol, 4-chloro-3-methylphenol, 2,4,6-trichlorophenol, 2,4,5-trichlorophenol, 2,4-dinitrophenol, 4-nitrophenol, 4,6-dinitro-2-methylphenol, pentachlorophenol.

Groundwater samples collected during the July 2004 and November 2005 sampling events were also analyzed for total recoverable phenolic compounds by EPA Method 420.1 (July 2004) and EPA Method 420.2 (November 2005). Severn Trent Laboratories (STL) indicated to Delta that both of these methods are similar colorimetric tests that measure the total concentrations of known and unknown substances that have one or more hydroxyl group (-OH) attached to a benzene ring (i.e. phenolics). Each analytical method provides a quantitative result for phenols as a class; however, no specific analyte can be identified or quantified using these colorimetric methods. Therefore, these methods only provide a measure of the total recoverable phenolic compounds in a sample. The 420.1 and 420.2 methods are very similar with the differences being that the 420.1 method is more manually based. Therefore, blank corrects that are utilized during the analysis of samples are also manually based and subject to the laboratory technicians discretion. The 420.2 method is more automated and the blank corrects are done by the instrument and are thus more uniform and not subject to the technicians discretion. STL further indicated that because both analytical methods utilize colorimetric methods to quantify results that minor variations in color between samples can influence the results by biasing high and also potentially result in false positives. STL also indicated that these impacts can be more pronounced in the 420.1 method, which utilizes manual blank correction techniques. Therefore, there is the greater potential for data biased high or false positives to be reported utilizing the 420.1 method versus the 420.2 method.

Data Validation

A review of the Data Usability Summary Reports (DUSRs) for the July 2004 and November 2005 groundwater sampling events and the laboratory narratives contained in each ASP Category II data package indicated that the groundwater analytical data was usable and that there were no reported issues associated with the performance of the EPA Method 8270 analyses or the EPA Method 420.1 and 420.2 analyses. Therefore, the data is considered as accurate and reliable.

Analytical Data Review

Historic analytical data for groundwater samples collected on the north landfill from shallow monitoring wells MW-4A, MW-1, MW-2, and MW-3 between December 1982 and February 1984 indicated that phenol was detected in these wells at concentrations ranging between 11 ppb and 40 ppb. Phenol was detected most frequently (7 of 9 events) in well MW-4A, which was located offsite and later abandoned during the 2004 PSA. In monitoring wells MW-1 phenol was detected in 2 of 9 monitoring events at concentrations ranging from 20 ppb to 40 ppb. In MW-2, phenol was detected during 2 of 9 monitoring events at concentrations ranging from 20 ppb to 32 ppb. In monitoring well MW-3, phenol was detected in 1 of 9 monitoring events at a concentration of 11 ppb. **Note:** Analytical results were reported for phenol as an individual compound and not total recoverable phenolic compounds.

Historic analytical data for groundwater samples collected on the north landfill from deep monitoring wells MW-4B, MW-5, MW-6B, MW-7, and MW-8B between December 1982 and

February 1984 indicated that phenol was detected in monitoring wells MW-7 and MW-8B during one monitoring event at concentrations of 27 ppb (MW-7) and 167 ppb (MW-8), respectively. **Note:** Analytical results were reported for phenol as an individual compound and not total recoverable phenolic compounds.

Groundwater analytical data for shallow groundwater samples collected in July 2004 indicated that individual phenolic compounds were not detected in any of the shallow groundwater samples using EPA Method 8270. The analytical data also indicated that total recoverable phenolic compounds were detected in 12 of 20 groundwater samples at concentrations ranging from 10 ppb to 1,360 ppb using EPA Method 420.1. With the exception of one sample (MW-1N @ 1,360 ppb) concentrations of total recoverable phenolic compounds were between 10 ppb and 39 ppb.

Groundwater analytical data for samples collected in November 2005 indicated that one phenolic compound (4-Methylphenol) was detected at a low concentration (1 ppb) in one (MW-12A) shallow groundwater sample using EPA Method 8270. The analytical data also indicated that total recoverable phenolic compounds were detected in one sample (MW-1) of 24 samples at a concentration of 0.017 ppb using EPA Method 420.2.

Summary

Groundwater sampling conducted at the site in 1982 through 1984 indicated that phenol had been detected, during two of nine sampling events, in several shallow wells (MW-1, MW-2, and MW-3) located on the north landfill at low concentrations. Phenol was also detected a well MW-4A, which was located offsite and to the north of the north landfill at low concentrations. Subsequent groundwater sampling conducted in July 2004 and November 2005 did not identify the presence of phenol or any other identifiable phenolic compound (based on EPA Method 8270 analysis) in shallow groundwater samples collected at the north and south landfill. Based on the available groundwater data for samples collected from the shallow aquifer at the north landfill there is no evidence of a long term trend of phenol being detected in shallow groundwater samples. There are also no findings indicating that any other identifiable phenolic compound has historically been detected routinely in shallow groundwater samples at the site.

Groundwater samples collected in July 2004 and November 2005 were analyzed for SVOCs as well as total recoverable phenolic compounds. Analytical data from the 2004 sampling event indicated that total recoverable phenolic compounds were detected in 11 shallow groundwater samples at concentrations ranging from 10 ppb to 1,360 ppb. With the exception of one sample (MW-1N @ 1,360 ppb) concentrations of total recoverable phenolic compounds were between 10 ppb and 39 ppb. Groundwater analytical data for samples collected in 2005 indicated that total recoverable phenolic compounds were detected in one shallow groundwater sample (MW-1) at a concentration of 0.017 ppb. A review of the analytical data between the 2004 and 2005 sampling events indicated that there was a noted variability between only the total recoverable phenolics data. As such a review of the analytical methods utilized was conducted to determine

if the source of the variability was method related. Results of this review indicate that the initial analyses conducted in 2004 for total recoverable phenolic compounds utilized a colorimetric method (EPA Method 420.1) that relied on manual blank correction. The 2005 analyses utilized EPA Method 420.2, which also utilized a colorimetric method; however, this method relied on instrument blank corrections. As both methods utilize colorimetric methods for quantifying results, Delta and STL concluded that variations in the reported total recoverable phenolic compound concentrations that were observed between sampling events were likely due to both color variations in the samples and also variations in blank corrections utilized by the two analytical methods. As such it was also determined that the July 2004 groundwater sampling data is more likely to be biased high with regard to reportable concentrations of total phenolic compounds.

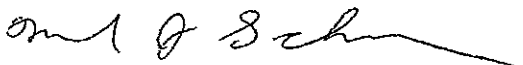
Recommendations

Cooper and Delta propose to collect on additional sample from monitoring well MW-1 located on the north landfill and to analyze the sample for SVOCs (EPA Method 8270) and total recoverable phenolic compounds (EPA Method 420.2) to determine if the results are more consistent with the 2005 data or the 2004 data.

Please feel free to contact the undersigned at (315) 445-0224 (mschumacher@deltaenv.com) with any questions or if you need additional information.

Sincerely,

DELTA ENVIRONMENTAL CONSULTANTS



Mark J. Schumacher
Project Manager

Attachment

Cc: Mr. Michael O'Brien, Cooper

ATTACHMENT 7

LEY CREEK SEDIMENT SAMPLING DATA

RECEIVED
APR 19 2004

11/7/2003

BY:.....

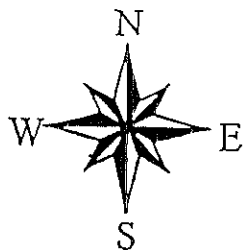
MIKE - AS WE DISCUSSED IN OUR 11/3/03 CONFERENCE CALL,
ATTACHED ARE THE DEC TRIBUTARY DATA FOR
LEY CREEK.

RICK

ENVIRONMENTAL AFFAIRS

NOV 14 2003

RECEIVED



- ▣ Soil Samples
- ⊙ Sediment Samples
- Railroad Tracks
- Roads
- △ Tributaries
- Onondaga Lake



1000 0 1000 2000 Feet

FALL 1997

Figure 3d: Lower Ley Creek
Second Round Sampling Locations

Table L-2A

Lower Ley Creek Sediment & Soil Samples - Organic Compounds

| Location | Parameter | Results | Units |
|----------|----------------------------|---------|-------|
| L107 | 1,2-Dichlorobenzene | 440 | ug/kg |
| L107 | 1,2-Dichloroethene (Total) | 8 J | ug/kg |
| L107 | 2-Methylnaphthalene | 140 J | ug/kg |
| L107 | Acenaphthene | 680 | ug/kg |
| L107 | Acenaphthylene | 600 | ug/kg |
| L107 | Acetone | 18 J | ug/kg |
| L107 | Anthracene | 2200 | ug/kg |
| L107 | Aroclor-1248 | 8000 D | ug/kg |
| L107 | Aroclor-1260 | 310 J | ug/kg |
| L107 | Benzo(a)anthracene | 7200 D | ug/kg |
| L107 | Benzo(a)pyrene | 6900 D | ug/kg |
| L107 | Benzo(b)fluoranthene | 7800 D | ug/kg |
| L107 | Benzo(g,h,i)perylene | 1900 | ug/kg |
| L107 | Bis(2-ethylhexyl)phthalate | 890 | ug/kg |
| L107 | Carbazole | 900 | ug/kg |
| L107 | Carbon disulfide | 2 J | ug/kg |
| L107 | Chrysene | 8800 D | ug/kg |
| L107 | Dibenzofuran | 440 | ug/kg |
| L107 | Ethylbenzene | 4 J | ug/kg |
| L107 | Fluoranthene | 16000 D | ug/kg |
| L107 | Fluorene | 1100 | ug/kg |
| L107 | Indeno(1,2,3-cd)pyrene | 2100 | ug/kg |
| L107 | Naphthalene | 140 J | ug/kg |
| L107 | Phenanthrene | 8900 D | ug/kg |
| L107 | Pyrene | 13000 D | ug/kg |
| L107 | Unknown | 230 JN | ug/kg |
| L107 | Unknown | 40 JN | ug/kg |
| L107 | Unknown | 9 JN | ug/kg |
| L107 | Unknown | 6 JN | ug/kg |
| L107 | Unknown | 270 JN | ug/kg |
| L107 | Unknown | 320 JN | ug/kg |
| L107 | Unknown | 560 JN | ug/kg |
| L107 | Unknown | 330 JN | ug/kg |
| L107 | Unknown | 350 JN | ug/kg |
| L107 | Unknown | 390 JN | ug/kg |
| L107 | Vinyl chloride | 3 J | ug/kg |
| L107 | Xylene (Total) | 3 J | ug/kg |
| L108 | 1,2-Dichlorobenzene | 450 J | ug/kg |
| L108 | 1,4-Dichlorobenzene | 160 J | ug/kg |
| L108 | 2-Butanone | 78 J | ug/kg |
| L108 | 2-Methylnaphthalene | 670 J | ug/kg |
| L108 | 4-Methylphenol | 170 J | ug/kg |

Table L-2A

Lower Ley Creek Sediment & Soil Samples - Organic Compounds

| Location | Parameter | Results | Units |
|----------|----------------------------|-----------|-------|
| L108 | Acenaphthene | 960 J | ug/kg |
| L108 | Acenaphthylene | 2300 J | ug/kg |
| L108 | Acetone | 240 J | ug/kg |
| L108 | Anthracene | 1900 J | ug/kg |
| L108 | Aroclor-1016 | 230000 JD | ug/kg |
| L108 | Aroclor-1260 | 7400 JD | ug/kg |
| L108 | Benzene | 3 J | ug/kg |
| L108 | Benzo(a)anthracene | 5300 J | ug/kg |
| L108 | Benzo(a)pyrene | 4800 J | ug/kg |
| L108 | Benzo(b)fluoranthene | 9200 J | ug/kg |
| L108 | Benzo(g,h,i)perylene | 2000 J | ug/kg |
| L108 | Bis(2-ethylhexyl)phthalate | 7500 JD | ug/kg |
| L108 | Carbazole | 320 J | ug/kg |
| L108 | Carbon disulfide | 18 J | ug/kg |
| L108 | Chloromethane | 10 J | ug/kg |
| L108 | Chrysene | 12000 JD | ug/kg |
| L108 | Dibenz(a,h)anthracene | 430 J | ug/kg |
| L108 | Dibenzofuran | 970 J | ug/kg |
| L108 | Fluoranthene | 16000 JD | ug/kg |
| L108 | Fluorene | 2600 J | ug/kg |
| L108 | Indeno(1,2,3-cd)pyrene | 2000 J | ug/kg |
| L108 | Naphthalene | 640 J | ug/kg |
| L108 | Phenanthrene | 3300 J | ug/kg |
| L108 | Pyrene | 21000 JD | ug/kg |
| L108 | Unknown | 1600 JN | ug/kg |
| L108 | Unknown | 62 JN | ug/kg |
| L108 | Unknown | 48 JN | ug/kg |
| L108 | Unknown | 180 JN | ug/kg |
| L108 | Unknown | 1100 JN | ug/kg |
| L108 | Unknown | 640 JN | ug/kg |
| L108 | Unknown | 49 JN | ug/kg |
| L108 | Unknown | 48 JN | ug/kg |
| L108 | Unknown | 79 JN | ug/kg |
| L108 | Unknown | 200 JN | ug/kg |
| L108 | Unknown | 560 JN | ug/kg |
| L108 | Unknown | 1300 JN | ug/kg |
| L108 | Unknown | 1500 JN | ug/kg |
| L108 | Unknown | 2000 JN | ug/kg |
| L108 | Unknown | 670 JN | ug/kg |
| L108 | Unknown | 2600 JN | ug/kg |
| L108 | Unknown | 150 JN | ug/kg |
| L108 | Unknown | 1300 JN | ug/kg |

Table L-2A

Lower Ley Creek Sediment & Soil Samples - Organic Compounds

| Location | Parameter | Results | Units |
|----------|----------------------------|-----------|-------|
| L108 | Unknown | 1500 JN | ug/kg |
| L108 | Unknown | 3000 JN | ug/kg |
| L108 | Unknown | 1300 JN | ug/kg |
| L108 | Unknown | 950 JN | ug/kg |
| L108 | Unknown | 3000 JN | ug/kg |
| L108 | Unknown | 970 JN | ug/kg |
| L108 | Unknown | 100 JN | ug/kg |
| L108 | Unknown | 66 JN | ug/kg |
| L108 | Unknown | 970 JN | ug/kg |
| L108 | Xylene (Total) | 31 J | ug/kg |
| L109 | Aroclor-1248 | 6700 D | ug/kg |
| L109 | Aroclor-1260 | 230 PJ | ug/kg |
| L110 | Aroclor-1248 | 360000 D | ug/kg |
| L110 | Aroclor-1260 | 13000 D | ug/kg |
| L111 | 2-Butanone | 760 J | ug/kg |
| L111 | 2-Methylnaphthalene | 240 J | ug/kg |
| L111 | 4-Chloroaniline | 280 J | ug/kg |
| L111 | Acenaphthene | 340 J | ug/kg |
| L111 | Acenaphthylene | 1600 J | ug/kg |
| L111 | Acetone | 870 JD | ug/kg |
| L111 | Anthracene | 1200 J | ug/kg |
| L111 | Aroclor-1016 | 130000 JD | ug/kg |
| L111 | Aroclor-1260 | 5400 JD | ug/kg |
| L111 | Benzo(a)anthracene | 4400 J | ug/kg |
| L111 | Benzo(a)pyrene | 5000 J | ug/kg |
| L111 | Benzo(b)fluoranthene | 13000 J | ug/kg |
| L111 | Benzo(g,h,i)perylene | 1800 J | ug/kg |
| L111 | Bis(2-ethylhexyl)phthalate | 4600 J | ug/kg |
| L111 | Carbazole | 440 J | ug/kg |
| L111 | Carbon disulfide | 16 J | ug/kg |
| L111 | Chrysene | 6400 J | ug/kg |
| L111 | Fluoranthene | 8400 J | ug/kg |
| L111 | Indeno(1,2,3-cd)pyrene | 2000 J | ug/kg |
| L111 | Naphthalene | 220 J | ug/kg |
| L111 | Phenanthrene | 2100 J | ug/kg |
| L111 | Pyrene | 9500 J | ug/kg |
| L111 | Unknown | 5200 JN | ug/kg |
| L111 | Unknown | 1700 JN | ug/kg |
| L111 | Unknown | 4400 JN | ug/kg |
| L111 | Unknown | 4500 JN | ug/kg |
| L111 | Unknown | 5200 JN | ug/kg |
| L111 | Unknown | 2400 JN | ug/kg |

Table L-2A

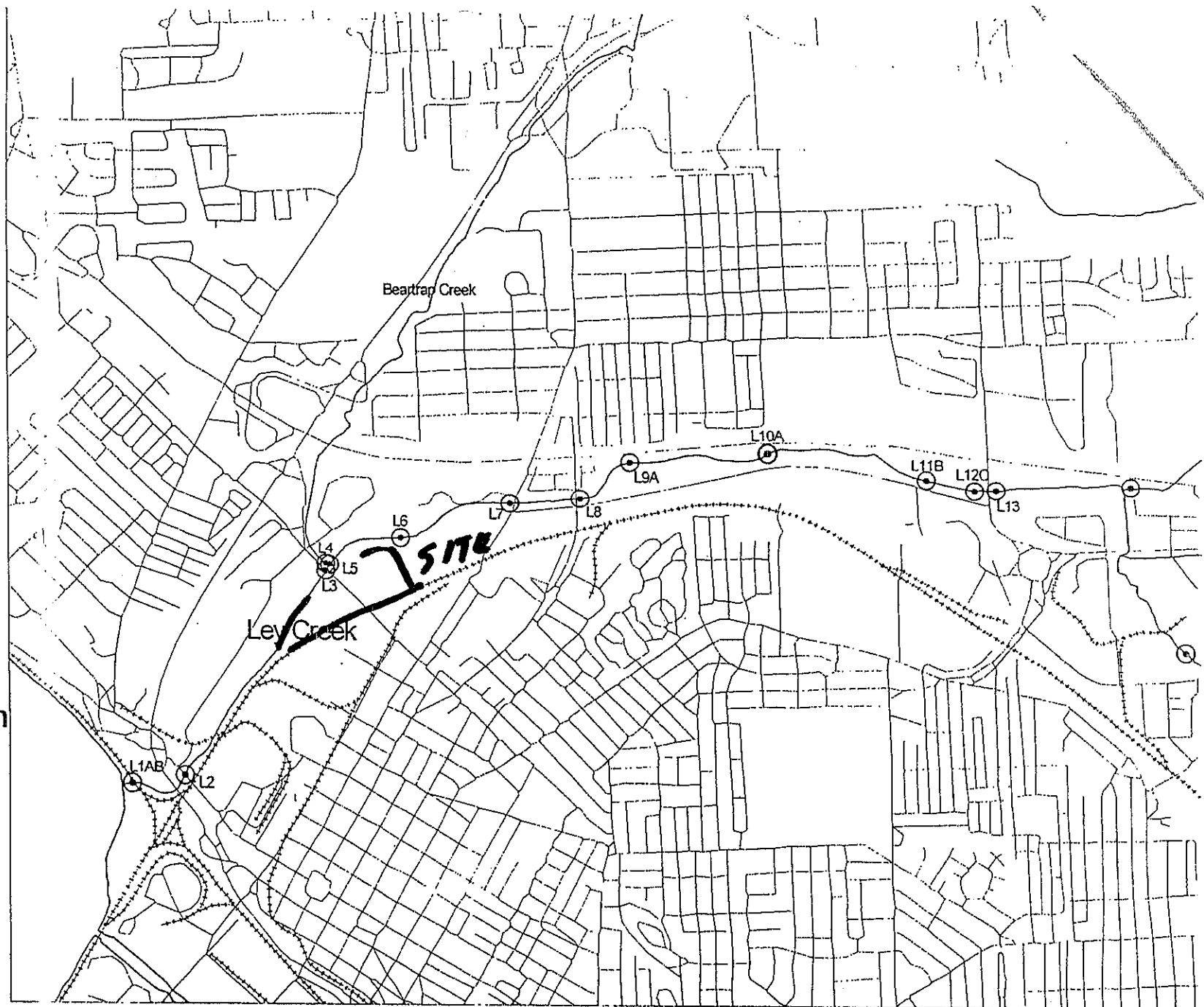
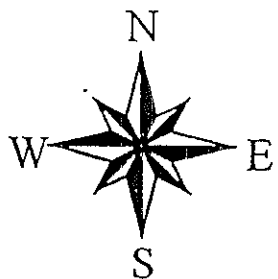
Lower Ley Creek Sediment & Soil Samples - Organic Compounds

| Location | Parameter | Results | Units |
|----------|----------------------------|----------|-------|
| L111 | Unknown | 3800 JN | ug/kg |
| L111 | Unknown | 2400 JN | ug/kg |
| L111 | Unknown | 580 JN | ug/kg |
| L111 | Unknown | 3100 JN | ug/kg |
| L111 | Unknown | 3800 JN | ug/kg |
| L112 | 1,1-Dichloroethane | 3 J | ug/kg |
| L112 | 1,2-Dichloroethene (Total) | 8 J | ug/kg |
| L112 | 2-Butanone | 24 J | ug/kg |
| L112 | 2-Methylnaphthalene | 1100 | ug/kg |
| L112 | 2-Methylphenol | 91 J | ug/kg |
| L112 | Acenaphthene | 1400 | ug/kg |
| L112 | Acenaphthylene | 600 | ug/kg |
| L112 | Acetone | 61 J | ug/kg |
| L112 | Anthracene | 3100 J | ug/kg |
| L112 | Aroclor-1016 | 140 PJ | ug/kg |
| L112 | Aroclor-1254 | 1000 D | ug/kg |
| L112 | Aroclor-1260 | 370 P | ug/kg |
| L112 | Benzene | 2 J | ug/kg |
| L112 | Benzo(a)anthracene | 5200 D | ug/kg |
| L112 | Benzo(a)pyrene | 3800 J | ug/kg |
| L112 | Benzo(b)fluoranthene | 5200 D | ug/kg |
| L112 | Benzo(g,h,i)perylene | 1400 J | ug/kg |
| L112 | Benzo(k)fluoranthene | 4300 D | ug/kg |
| L112 | Bis(2-ethylhexyl)phthalate | 3600 J | ug/kg |
| L112 | Carbazole | 1300 J | ug/kg |
| L112 | Carbon disulfide | 4 J | ug/kg |
| L112 | Chrysene | 5300 D | ug/kg |
| L112 | Dibenzofuran | 870 | ug/kg |
| L112 | Ethylbenzene | 6 J | ug/kg |
| L112 | Fluoranthene | 10000 D | ug/kg |
| L112 | Fluorene | 1500 | ug/kg |
| L112 | Indeno(1,2,3-cd)pyrene | 1400 J | ug/kg |
| L112 | Naphthalene | 1400 | ug/kg |
| L112 | Phenanthrene | 10000 JD | ug/kg |
| L112 | Pyrene | 9200 D | ug/kg |
| L112 | Toluene | 21 | ug/kg |
| L112 | Trichloroethene | 2 J | ug/kg |
| L112 | Unknown | 840 JN | ug/kg |
| L112 | Unknown | 990 JN | ug/kg |
| L112 | Unknown | 98 JN | ug/kg |
| L112 | Unknown | 150 JN | ug/kg |
| L112 | Unknown | 170 JN | ug/kg |

Table L-2A

Lower Ley Creek Sediment & Soil Samples - Organic Compounds

| Location | Parameter | Results | Units |
|----------|----------------|---------|-------|
| L112 | Unknown | 120 JN | ug/kg |
| L112 | Unknown | 730 JN | ug/kg |
| L112 | Unknown | 980 JN | ug/kg |
| L112 | Unknown | 550 JN | ug/kg |
| L112 | Unknown | 980 JN | ug/kg |
| L112 | Unknown | 410 JN | ug/kg |
| L112 | Unknown | 1000 JN | ug/kg |
| L112 | Unknown | 1200 JN | ug/kg |
| L112 | Unknown | 550 JN | ug/kg |
| L112 | Unknown | 540 JN | ug/kg |
| L112 | Unknown | 90 JN | ug/kg |
| L112 | Unknown | 170 JN | ug/kg |
| L112 | Unknown | 650 JN | ug/kg |
| L112 | Unknown | 140 JN | ug/kg |
| L112 | Unknown | 110 JN | ug/kg |
| L112 | Unknown | 210 JN | ug/kg |
| L112 | Unknown | 110 JN | ug/kg |
| L112 | Unknown | 1000 JN | ug/kg |
| L112 | Xylene (Total) | 50 | ug/kg |



- ⊙ Sample Location
- Railroad Tracks
- Roads
- △ Tributaries
- Onondaga Lake

4000 0 4000 Feet

FALL 1996

Figure 3d: Ley Creek
First Round Sampling Locations

Table L-4
 Ley Creek - All Detections of PCBs

1242 - 13 4180/6360/36300
 1254 - 13 2910
 1260 - 13 1130

| Location | Parameter | Results | Units |
|----------|--------------|---------|-------|
| L1AB | Aroclor-1016 | 460 X | ug/kg |
| L1AB | Aroclor-1242 | 260 | ug/kg |
| L1AB | Aroclor-1254 | 360 JPN | ug/kg |
| L1AB | Aroclor-1260 | 76 PJ | ug/kg |
| L3 | Aroclor-1016 | 84 X | ug/kg |
| L3 | Aroclor-1242 | 38 JP | ug/kg |
| L4 | Aroclor-1016 | 46 X | ug/kg |
| L4 | Aroclor-1242 | 32 J | ug/kg |
| L4 | Aroclor-1260 | 84 J | ug/kg |
| L5 | Aroclor-1016 | 30 J | ug/kg |
| L5 | Aroclor-1242 | 273 X | ug/kg |
| L5 | Aroclor-1254 | 4100 D | ug/kg |
| L5 | Aroclor-1260 | 1800 JD | ug/kg |
| L6 | Aroclor-1016 | 580 | ug/kg |
| L6 | Aroclor-1242 | 164 X | ug/kg |
| L6 | Aroclor-1254 | 6300 D | ug/kg |
| L6 | Aroclor-1260 | 2100 JD | ug/kg |
| L7 | Aroclor-1016 | 640 | ug/kg |
| L7 | Aroclor-1242 | 5810 X | ug/kg |
| L7 | Aroclor-1254 | 36300 D | ug/kg |
| L7 | Aroclor-1260 | 2900 JD | ug/kg |
| L8 | Aroclor-1016 | 1130 JD | ug/kg |
| L8 | Aroclor-1242 | 451 X | ug/kg |
| L8 | Aroclor-1254 | 19 J | ug/kg |
| L8 | Aroclor-1260 | 19 J | ug/kg |
| A | Aroclor-1016 | 35 J | ug/kg |
| A | Aroclor-1242 | 150 X | ug/kg |
| A | Aroclor-1254 | 630 | ug/kg |
| A | Aroclor-1260 | 470 J | ug/kg |
| B | Aroclor-1248 | 130 | ug/kg |
| B | Aroclor-1260 | 600 | ug/kg |
| B | Aroclor-1248 | 140 | ug/kg |
| B | Aroclor-1260 | 220 | ug/kg |
| B | Aroclor-1016 | 69 | ug/kg |
| B | Aroclor-1242 | 746 X | ug/kg |
| B | Aroclor-1254 | 720 | ug/kg |
| B | Aroclor-1260 | 560 J | ug/kg |
| B | Aroclor-1016 | 280 | ug/kg |
| B | Aroclor-1242 | 41 X | ug/kg |
| B | Aroclor-1016 | 21 J | ug/kg |
| B | Aroclor-1242 | 38 X | ug/kg |
| B | Aroclor-1254 | 520 | ug/kg |
| B | Aroclor-1260 | 590 JP | ug/kg |
| B | Aroclor-1254 | 95 | ug/kg |
| B | Aroclor-1260 | 20 J | ug/kg |
| B | Aroclor-1260 | 19 J | ug/kg |
| B | Aroclor-1242 | 16 J | ug/kg |
| B | Aroclor-1254 | 72 PJ | ug/kg |
| B | Aroclor-1260 | 230 | ug/kg |
| B | Aroclor-1242 | 100 | ug/kg |
| B | Aroclor-1254 | 71 | ug/kg |
| B | Aroclor-1260 | 220 | ug/kg |
| B | Aroclor-1254 | 120 | ug/kg |
| B | Aroclor-1260 | 13 JP | ug/kg |
| B | Aroclor-1254 | 12 | ug/kg |